



# ENERPOWER



## PRODUCT CATALOGUE INDUSTRIAL BATTERIES – BATTERY CHARGERS



### ENERGY FROM THE BATTERIES

WWW.ENERPOWERSRL.COM



Enerpower is a company specialized in the supply, installation and technical assistance services of high quality products in the field of Batteries for industrial applications, Lead Carbon Batteries, Lithium Batteries, Special Starter Batteries and synergistic products such as Battery Chargers, Inverters and Energy Stations for plants in the renewable energy sector, (solar – wind), Special equipment for battery testing.

## **O R G A N I Z A T I O N A L   S T R U C T U R E**

The company organization has gained a long experience in the sector and is able to formulate offers and quotes for the most varied types of application (UPS uninterruptible power supplies, emergency systems, renewable energy, electric vehicles, floor cleaning machines, forklifts, etc.). The wide range of products includes, in addition to the most suitable batteries for the various application sectors, other complementary products that place our company in a leading position to offer a timely and efficient customer service.

## **T E C H N I C A L   A S S I S T A N C E**

Great importance is given to the technical assistance service with specialized personnel and equipment capable of verifying the state of the batteries checked both at our laboratory and at the customer's plants with computerized certifications. Treatments with charge and discharge cycles, carried out with suitable equipment, sometimes bring batteries with reduced capacity back to conditions of acceptable efficiency, of which we issue certificates with computerized diagrams and main parameters. Good logistics and a warehouse with high-stock products, always ready for delivery, allows orders to be processed in a very short time.

## **O U R   C L I E N T S**

Among the major customers we include companies of great importance operating in the IT sector, in the uninterruptible power supply (UPS) sector, in the plant engineering and telecommunications sector and others in the field of solar energy, photovoltaic, wind, batteries for electric vehicles and for traction (floor scrubbers, boats, campers, bicycles, golf-cars, etc.)

## **W H Y   C H O O S E   O U R   C O M P A N Y**

Choosing Enerpower means choosing quality, an adequate price and a complementary service such as experience, assistance and possible advice for new projects. Our first advice is to visit our website and contact us for any clarifications, information, quotes and offers, possibly also by e-mail at the following [gestione@enerpowersrl.com](mailto:gestione@enerpowersrl.com) address or by phone at 039 832152 asking for the sales office.

# INDEX

APPLICATIONS

PAG. 3

AGM & GEL BATTERIES

PAG. 4-9

STARTER BATTERIES

PAG. 10

LiFePO<sub>4</sub> LITHIUM BATTERIES

PAG. 11

BATTERY CABINETS

PAG. 12

CHARGERS & INVERTERS

PAG. 13-15

# APPLICATIONS

Enerpower has a catalogue of industrial batteries suitable for a wide range of uses and for the most diverse application sectors:



## UPS

Uninterruptible power supply batteries are essential for keeping electrical equipment running smoothly and avoiding power outages.



## SAFETY

A wide range of batteries dedicated to the security sector, suitable for use for alarms, burglar alarms, video surveillance systems, lights and emergency lamps.



## SOLAR SYSTEMS

Batteries for the photovoltaic sector with a large number of AGM, GEL and Lithium models, designed for energy storage from solar or wind power plants.



## TELECOMMUNICATIONS

Telecom batteries are designed for exceptional performance, long life and ease of installation, making them suitable for use in multiple applications.



## BOATING AND CAMPERS

Enerpower offers a series of batteries for boats and campers, perfect for powering all the comforts and services on board.



## FLOORWASHING MACHINES

Deep cycle batteries for floor scrubbers and industrial cleaning machines ensure better performance and longer life.



## AERIAL PLATFORMS

The best performing deep cycle batteries for aerial platforms.



## ELECTRIC VEHICLES

Enerpower Srl offers a range of batteries for electric vehicles and golf cars. Deep cycle batteries provide better performance and longer life.



## STARTING

Enerpower offers different series of starter batteries for motor vehicles, special starter batteries with high inrush currents and batteries for starting generators.



### APPLICAZIONI



### FEATURES:

- AGM Technology** – Maintenance-free hermetic
- Life expectancy 5-6 years** in buffer (20°C) for batteries up to 18Ah
- Long Life Expected life 10-12 years** in buffer (20°C) for batteries over 18Ah

MODEL			TERMINAL	SIZE & WEIGHT			
	V	Ah (20hr)		LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT Kg
<b>SLC SERIES - 6V - AGM</b>							
SLC 1,2-6	6	1,2	T1	97	24	58	0,3
SLC 4,5-6	6	4,5	T1	70	47	105	0,8
SLC 7-6	6	7	T1/T2	151	34	101	1,1
SLC 12-6	6	12	T1	151	51	101	1,8
<b>SLC SERIES - 12V - AGM</b>							
SLC 1,2-12	12	1,2	T1	97	43	58	0,6
SLC 2,3-12	12	2,3	T1	178	35	66	1,0
SLC 3,6-12	12	3,6	T1	134	67	67	1,3
SLC 5-12	12	5	T2	90	70	107	1,9
SLC 7-12	12	7	T1/T2	151	65	100	2,0
SLC 7,2-12	12	7,2	T2	151	65	100	2,2
SLC 9-12	12	9	T2	151	65	100	2,5
SLC 9-12H*	12	9	T2	151	65	100	2,65
SLC 12-12	12	12	T2	151	98	101	3,6
SLC 18-12	12	18	M5	182	77	167	5,5
SLC 26-12	12	26	M5	167	175	125	8,0
SLC 26-12H	12	26	M5	166	126	174	7,5
SLC 33-12	12	33	M6	195	130	170	10,5
SLC 40-12	12	40	M6	197	165	170	12,2
SLC 60-12	12	60	M6	230	139	211	17,0
SLC 65-12	12	65	M6	348	167	178	19,2
SLC 80-12	12	80	M6	259	168	214	22,3
SLC 100-12S	12	100	M8	306	169	216	28,0
SLC 100-12	12	100	M8	330	173	220	29,0
SLC 120-12	12	120	M8	330	173	220	30,4
SLC 140-12	12	140	M8	344	171	280	41,2
SLC 150-12	12	150	M8	485	170	240	43,5
SLC 200-12S	12	200	M8	530	209	220	55,5
SLC 200-12	12	200	M8	522	240	224	59,0
SLC 250-12	12	250	M8	522	268	226	73,0

\*LONG LIFE BATTERIES 10 YEARS OF LIFE EXPECTANCY (EUROBAT)



SLC 100-12



SLC 26-12



SLC 7-12

### APPLICATIONS



### FEATURES:

- **GEL Technology** – Maintenance-free hermetic
- **Long Life Expected life 12 years** in buffer (20°C)
- **ABS WC UL94-V0**
- **Deep Cycle Batteries** – Very good cycling behaviour

MODEL			TERMINAL	SIZE & WEIGHT			
	V	Ah (20hr)		LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT Kg
GHL SERIES - 12V - GEL							
GHL 26-12	12	26	M6	166	175	125	7,5
GHL 33-12	12	33	M6	195	130	168	11,2
GHL 40-12	12	40	M6	197	165	170	13,3
GHL 50-12	12	50	M6	228	137	216	16,0
GHL 55-12	12	60	M6	228	137	216	17,5
GHL 65-12	12	65	M6	348	167	178	21,2
GHL 75-12	12	80	M6	259	168	214	22,3
GHL 100-12S	12	100	M8	305	167	220	28,4
GHL 100-12	12	110	M8	330	173	220	29,3
GHL 120-12	12	124	M8	330	173	220	30,5
GHL 140-12	12	140	M8	344	171	280	42,0
GHL 150-12	12	150	M8	485	170	240	42,9
GHL 200-12	12	200	M8	522	240	224	60,0
GHL 250-12	12	250	M8	522	268	226	70,5



GHL 200-12



GHL 140-12



GHL 100-12S

### APPLICATIONS



### FEATURES:

- **GEL Technology** – Maintenance-free hermetic
- **Life expectancy 12 years** in buffer (20°C)
- **ABS UL94-V0**
- **Deep Cycle** – Very good cycle behaviour

MODEL			TERMINAL	SIZE & WEIGHT			
	V	Ah (20hr)		LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT Kg
<b>SERIE DCEV - 6V – DEEP CYCLE</b>							
<b>DCEV 200-6</b>	6	200	T5	306	168	222	30,5
<b>DCEV 210-6</b>	6	210	T5	260	180	249	30,0
<b>DCEV 225-6</b>	6	225	M8	243	188	275	31,5
<b>DCEV 330-6</b>	6	330	T7	295	178	366	46,6
<b>DCEV 400-6</b>	6	400	AP	295	179	424	55,3
<b>DCEV 420-6</b>	6	420	T5/T6	295	178	410	56,8
<b>SERIE DCEV - 12V – DEEP CYCLE</b>							
<b>DCEV 14-12</b>	12	14	F2	152	99	102	3,8
<b>DCEV 20-12</b>	12	20	M6	181	77	167	6,0
<b>DCEV 24-12</b>	12	24	M6	166	175	126	8,3
<b>DCEV 26-12</b>	12	26	M6	165	126	179	8,4
<b>DCEV 35-12</b>	12	35	M6	195	130	167	11,5
<b>DCEV 40-12</b>	12	40	M6	197	165	170	13,2
<b>DCEV 55-12</b>	12	55	M6	229	138	212	16,0
<b>DCEV 70-12</b>	12	70	M6	350	167	178	23,5
<b>DCEV 80-12</b>	12	80	M6	258	168	211	25,2
<b>DCEV 95-12</b>	12	95	M6	307	168	214	28,5
<b>DCEV 100-12</b>	12	100	M8	307	169	215	30,2
<b>DCEV 120-12</b>	12	120	M8	407	173	233	39,5
<b>DCEV 135-12</b>	12	135	M8	344	172	285	41,5
<b>DCEV 150-12</b>	12	150	M8	484	171	241	46,0
<b>DCEV 200-12</b>	12	200	M8	532	206	222	58,8
<b>DCEV 210-12</b>	12	210	M8	522	240	225	66,0
<b>DCEV 240-12</b>	12	240	M8	520	268	207	71,0



**DCEV 95-12**



**DCEV 40-12**



**DCEV 35-12**

### APPLICATIONS



### FEATURES:

- **AGM Technology** – Sealed and Maintenance-free
- **Long Life Expected life 12 years** in buffer (20°C)

MODEL			TERMINAL	SIZE & WEIGHT			
	V	Ah (20hr)		LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT Kg
SERIE FAT - 12V - AGM							
FAT 12-35	12	35	T07	291	106	231	13,8
FAT 12-50	12	50	T07	291	106	231	16,0
FAT 12-70	12	70	T23	562	115	196	24,5
FAT 12-85	12	85	F15	393	125	256	33,0
FAT 12-100	12	105	T27	394	110	286	30,3
FAT 12-125	12	125	T28	436	108	317	36,0
FAT 12-150	12	150	T17	566	110	296	42,6
FAT 12-155	12	155	F15	551	110	316	51,5
FAT 12-180	12	180	T28	561	125	317	54,0
FAT 12-200	12	200	T28	561	125	317	58,5



FAT 100-12



FAT 150-12



### APPLICATIONS



### FEATURES:

- **GEL Technology** – Maintenance-free hermetic
- **Long Life: 20 years of expected life** (20°C)
- **Over 2600 cycles 50 % DOD**
- **Low self-discharge:**  $\leq 3\%$ /month.
- **Wide operating temperature:** -40°C to 60°C

MODEL			SIZE & WEIGHT			
	V	Ah (C10)	LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT Kg
<b>OPZV SERIES - 12V - AGM</b>						
OPzV 2-200	2	200	103	206	389	20,0
OPzV 2-250	2	250	124	206	389	24,0
OPzV 2-300	2	300	145	206	389	28,0
OPzV 2-350	2	350	124	206	505	31,0
OPzV 2-420	2	420	145	206	505	37,0
OPzV 2-490	2	490	166	206	505	42,0
OPzV 2-600	2	600	145	206	678	50,0
OPzV 2-800	2	800	191	210	678	68,0
OPzV 2-1000	2	1000	233	210	678	82,0
OPzV 2-1200	2	1200	275	210	678	97,0
OPzV 2-1500	2	1500	275	210	827	120,0
OPzV 2-2000	2	2000	399	214	802	165,0
OPzV 2-2500	2	2500	478	212	802	200,0
OPzV 2-3000	2	3000	576	212	802	240,0
<b>OPZV SERIES - 6V - GEL</b>						
OPzV 6-200	6	206	272	205	363	49,0
OPzV 6-250	6	257	380	205	363	64,0
OPzV 6-300	6	309	357	205	363	70,0
<b>OPZV SERIES - 12V - GEL</b>						
OPzV 12-50	12	50	272	205	363	40,0
OPzV 12-100	12	100	272	205	663	52,0
OPzV 12-150	12	150	380	205	363	73,0



OPzV 6-200



OPzV 2-490

### APPLICATIONS



### FEATURES:

- **AGM Technology** – Maintenance-free hermetic
- **Very Long Life Expected > 20 years** in buffer (25°C)
- Very good cycling behaviour
- High discharge capacity, low self-discharge
- No need for equalization or fast charging, no memory effect

MODEL			TERMINAL	SIZE & WEIGHT			
				V	Ah (10hr)	LENGTH mm	WIDTH mm
CL SERIES - 2V - AGM							
CL100	2	100	F10	171	72	211	6,4
CL150	2	150	F10	172	102	217	8,2
CL200	2	200	F10	173	111	364	13,7
CL300	2	300	F10	171	151	364	19,3
CL400	2	400	F10	211	176	367	26,6
CL500	2	500	F10	242	173	365	31,9
CL600	2	600	F10	302	175	343	38,5
CL800	2	800	F10	410	175	367	53,5
CL1000	2	1000	F10	475	175	328	63,5
CL1200	2	1200	F10	400	350	367	88,5
CL1500	2	1500	F10	400	350	382	100
CL2000	2	2000	F10	490	350	382	125
CL3000	2	3000	F10	710	350	382	210

### CONSTRUCTION:

- (+) plates with lead-calcium alloy grids
- Plates (-) with lead-calcium alloy grids
- Fiberglass separators
- Low pressure safety valves from 1 psi to 6 psi (0.07-0.43 kg/cm<sup>2</sup>)
- Terminals of suitable cross-section protected against acid rise with large contact surfaces and self-shrinking materials.
- ABS resin containers and lid



CL100



CL600

### APPLICATIONS



### FEATURES:

- **Calcium-Calcium Technology** – Maintenance-free, airtight, heat-sealed lid to prevent acid leakage
- High quality envelope separators, thicker plates
- Increased starting power
- Equipped with an optical hydrometer

MODEL				TYPE	LAYOUT	DIMENSIONS			TERMINAL
	V	Ah (20hr)	CCA @-18°C			LENGTH mm	WIDTH mm	HEIGHT mm	
<b>SERIE AVS - 12V</b>									
AVS03512-300	12	35	300	E1	+DX	187	132	225	AP
AVS04412-360	12	44	360	L1	+DX	207	175	190	AP
AVS05012-400	12	50	400	L1	+DX	207	175	190	AP
AVS05512-420	12	55	420	E2	+DX	219	135	225	AP
AVS06312-540	12	63	540	L2	+DX	242	175	190	AP
AVS06512-640	12	65	640	L2	+DX	242	175	190	AP
AVS07012-580	12	70	580	D26	+DX	260	175	225	AP
AVS07012-640	12	70	640	L3	+DX	276	175	190	AP
AVS07412-680	12	74	680	L3B	+DX	276	175	175	AP
AVS08012-600	12	80	600	D26	+DX	260	175	225	AP
AVS08012-680	12	80	680	L3	+DX	276	175	190	AP
AVS09012-680	12	90	680	D26	+DX	260	175	225	AP
AVS09212-800	12	92	800	L5B	+DX	353	175	175	AP
AVS10012-720	12	100	720	D31	B0	302	175	225	AP
AVS10012-700	12	100	700	L4	+DX	315	175	190	AP
AVS12512-900	12	125	900	MACA	+SX	513	189	220	AP
AVS14012-1000	12	140	1000	MACA	+SX	513	189	220	AP
AVS15012-950	12	150	950	MAC	+DX	510	218	230	AP
AVS16012-950	12	160	950	MACB	+SX	513	223	223	AP
AVS18012-1100	12	180	1100	MACB	+SX	513	223	223	AP
AVS20012-1300	12	200	1300	MACC	+SX	518	273	242	AP
AVS22012-1300	12	220	1300	MACC	+SX	518	273	242	AP
AVS22512-1150	12	225	1150	MACC	+SX	518	273	242	AP
AVS24012-1200	12	240	1200	MACC	+SX	518	273	242	AP



AVS05512-530



AVS12012-850

## APPLICATIONS



## FEATURES:

- LiFePO4 technology, maintenance-free
- More than 3,000 cycles, 100% DOD
- Built-in automatic over-charge, over-current and over-temperature protection
- Internal Cell Balancing
- Batteries including BMS
- Wider temperature range: -20°C~60°C

MODEL			TERMINAL	SIZE & WEIGHT			
	V	Ah (20hr)		LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT Kg
<b>SERIE LFP - 12V – LIFEPO4</b>							
LFP 12V4.5AH	12,8	4,5	F250	90	70	107	0,7
LFP 12V6AH	12,8	6	F250	90	70	107	0,8
LFP 12V7.2AH	12,8	7,2	F250	151	65	100	1,0
LFP 12V10AH	12,8	10	F250	151	65	100	1,5
LFP 12V12AH	12,8	12	F250	151	98	101	1,5
LFP 12V24AH	12,8	24	M5	181	77	167	2,9
LFP 12V30AH	12,8	30	M5	166	175	125	4,6
LFP 12V33AH	12,8	33	M6	195	132	170	4,8
LFP 12V42AH	12,8	42	M6	197	165	170	5,7
LFP 12V54AH	12,8	54	M6	229	138	217	6,7
LFP 12V60AH	12,8	60	M6	229	138	217	6,7
LFP 12V84AH	12,8	84	M8	260	169	218	10,5
LFP 12V100AH	12,8	100	M8	330	175	220	14,5
LFP 12V150AH	12,8	150	M8	483	170	240	19,2
LFP 12V200AH	12,8	200	M8	520	269	208	31,9
<b>SERIE LFP - 24V – LIFEPO4</b>							
LFP 24V10AH	25,6	10	M5	181	77	167	3,2
LFP 24V20AH	25,6	20	M6	198	167	170	6,5
LFP 24V30AH	25,6	30	M6	229	138	213	9,4
LFP 24V40AH	25,6	40	M8	258	166	215	12,8
LFP 24V50AH	25,6	50	M8	395	110	293	15,5
LFP 24V60AH	25,6	60	M8	436	108	317	17,5
LFP 24V100AH	25,6	100	M8	520	269	208	31,9
<b>SERIE LFP - 48V – LIFEPO4</b>							
LFP 48V10AH	51,2	10	M6	442	285	44	8,0
LFP 48V20AH	51,2	20	M6	442	285	88	14,0
LFP 48V30AH	51,2	30	M6	442	370	88	23,0
LFP 48V40AH	51,2	40	M6	442	430	88	30,0
LFP 48V50AH	51,2	50	M6	442	440	135	33,0
LFP 48V70AH	51,2	70	M6	442	440	135	38,0
LFP 48V75AH	51,2	75	M6	442	400	177	40,0
LFP 48V100AH	51,2	100	M6	442	520	205	55,0



LFP 12V200AH



LFP 12V60AH



LFP 12V24AH

ENERPOWER battery cabinets are designed for the containment of hermetic lead-acid electric accumulator batteries, and comply with the safety criteria of the current CEI 21-6 / December 1990 regulation for the installation of lead-acid accumulators.

### FEATURES:

- Natural ventilation, or possible forced ventilation in case of operation in particular environmental conditions.
- Divided into two compartments, one containing the batteries, the other the disconnection, protection and control equipment.
- Access door equipped with lock and steel second access guard to access live parts.
- Possibility of partializing the electrical block circuit to 50 or 75V to limit any accidental contacts.
- Electrical protection of the battery circuit by means of a circuit breaker with deferred control on the door.
- The batteries are made of flame retardant material according to UL 94 class HB or V0 standards, this type of construction makes them particularly suitable for installation in battery cabinets, where the safety aspect with regard to fire prevention is fundamental.

### TYPES OF STANDARD CABINETS

600 x 600 x 1.100h mm

610 x 680 x 1.400h mm

610 x 880 x 1.400h mm

810 x 880 x 1.400h mm

810 x 980 x 1.900h mm

1.210 x 980 x 1.900h mm

Other sizes and shelving available on request



### ELECTRICAL FEATURES

- Designed to comply with safety regulations
- (EN50272 and EN62040-1)
- Italian reference standards (CEI 21.6 ED. DECEMBER 1990)
- IEC International Standards
- IP20 standard protection ratings, IP32 required
- Operating temperature 0-40°C (25°C recommended for long battery life)
- Up to 95% non-condensing relative humidity
- CE Product Declaration

### CONSTRUCTION FEATURES

Each section is built with self-supporting modular elements (which can be disassembled). On the front there is a hinged door, the closure is provided by a lock with a triangular key. On the inside of the door there is a document pocket containing the instruction manual of the batteries. The sections can be fixed together to form a single cabinet.

### PAINTING

The cabinets are painted with epoxy paint with a total thickness of not less than 50 microns with colors to be defined in the RAL series. The ENERPOWER standard for painting is **RAL 9005** (OTHERS ON REQUEST).





### FEATURES

- The LED indicator light shows the charging statuses;
- Temperature-controlled cooling fan;
- 3-stage battery charging: bulk charge, absorption charge, trickle charge
- Reverse polarity protection: Connect to battery, no damage. Do not connect to battery, no output.
- Short-circuit protection
- Over-temperature protection
- Battery Type Selector

MODEL	OUTPUT DATA		BATTERY CAPACITY (AH)	SIZE & WEIGHT			
	VOLTAGE V	POWER A		LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT Kg
<b>EC-M SERIES - UNIVERSAL</b>							
EC-M 12-10A	12	10	70-100	130	150	50	0,75
EC-M 12-20A	12	20	140-200	160	150	70	0,85
EC-M 12-30A	12	30	140-250	260	150	70	2,1
EC-M 12-40A	12	40	200-400	260	150	70	2,2
EC-M 12-80A	12	80	400-800	250	220	75	3,9
EC-M 24-10A	24	10	70-100	160	150	50	1,3
EC-M 24-20A	24	20	140-200	260	150	70	2,2
EC-M 24-40A	24	40	200-400	250	220	75	3,6
EC-M 36-25A	36	25	140-200	260	150	70	2,3
EC-M 48-05A	48	5	30-50	160	150	70	0,85
EC-M 48-10A	48	10	70-100	260	150	70	2,2
EC-M 48-15A	48	15	100-150	306	150	70	2,3
EC-M 48-20A	48	20	200-250	250	220	75	2,3
<b>EC SERIES - UNIVERSAL</b>							
EC 12-25A	12	25	140-250	290	205	82	2,7
EC 12-50A	12	50	275-500	370	240	90	7,6
EC 24-12A	24	12	70-120	277	118	71	2,8
EC 24-15A	24	15	60-150	290	205	82	3,0
EC 24-25A	24	25	100-240	370	240	90	7,6



EC-M 48-20A



EC 24-25A



EC-M 24-20A

### FEATURES

- Automatic charge control with microprocessor;
- Memorization of charging parameters;
- Proportional algorithm for calculating the charging time.
- Maximum charging time 14h – Typical 10h.
- Independent timer for emergency stop.
- 0-100% LED Control Panel
- Automatic start with a 3-second delay.
- Automatic safety stop
- Automatic and manual EQ function
- Saving of charging data in the event of a power failure with auto restart.
- Pulsed Charge



### SINGLE-PHASE – Wa (DIN 41774)

MODEL	12V	24V	36V	40V	44V	48V
RLF-M 10A-12/24/48V	S-10	S-12				S-18
RLF-M 15A-12/24/36/48V	S-11	S-13	S-17			S-19
RLF-M 20A-12/24/48V	S-13	S-15				S-20
RLF-M 25A-12/24/48V	S-14	S-16				S-22
RLF-M 30A-12/24/36/48V	S-14	S-16	S-22			S-23
RLF-M 35A-48V						A-24
RLF-M 40A-12/24/36/40/44/48V	S-17	S-19	A-23	A-23	A-25	A-26
RLF-M 50A-12/24/36/40/44/48V	S-19	S-21	A-26	A-27	A-29	A-30
RLF-M 60A-12/24/36/40/44/48V	A-23	A-23	A-29	A-30	A-31	A-34
RLF-M 70A-24V		A-25				
RLF-M 80A-12/24/36/40/44/48V	A-25	A-29	A-34	B-39	B-34	B-38
RLF-M 100A-12/24V	B-27	B-33				

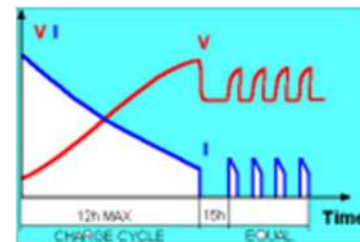
### THREE-PHASE – Wa (DIN 41774)

MODEL	24V	32V	36V	40V	44V	48V	72V	80V	96V
RLF-T 40A-80/96V								B-44	AA-58
RLF-T 50A-24/36/40/48/80V	B-34		B-38	B-35		B-40		B-47	
RLF-T 60A-24/32/36/40/44/48/72/80/96V	B-36	B-38	B-39	B-40	B-42	B-41	B-50	B-50	AA-64
RLF-T 80A-24/32/36/40/44/48/72/80/96V	B-37	B-39	B-40	B-42	B-44	B-46	B-52	B-55	AA-85
RLF-T 100A-24/32/36/40/44/48/72/80/96V	B-38	B-45	B-46	B-46	B-47	B-47	AA-74	AA-85	AA-104
RLF-T 120A-24/36/40/44/48/72/80/96V	B-43		B-47	B-49	B-50	B-52	AA-88	AA-112	BB-123
RLF-T 140A-24/36/48/72/80/90V	AA-62		AA-68			AA-78	AA-102	AA-124	BB-133
RLF-T 150A-48/80V						AA-80		AA-130	
RLF-T 160A-24/36/48/72/80/96V	AA-70		AA-76			AA-85	BB-118	BB-133	BB-145
RLF-T 180A-24/36/48/80V	AA-75		AA-85			AA-106		BB-140	
RLF-T 200A-24/36/48/80V	AA-83		AA-94			AA-120		BB-155	

ES.: AA-83 (AA = CABINET TYPE, 83 = WEIGHT KG).

### TYPE OF CABINET/BOX

S	mm 242x226x232
A	mm 366x283x295
B	mm 569x329x425
AA	mm 506x318x790
BB	mm 558x625x549



Wa DIN 41774

### SINE WAVE INVERTERS – IS SERIES

#### Features:

- Fuse accessible from the outside
- Remote control (option)
- Power ON-OFF switch
- USB: 5V, 500mA (option)
- Protection: LED signalling and audible alarm
- Pure sine waveform
- CE and RoHS compliant
- Two Multi-Control Fans: Temperature and Load



MODEL	VBTR	INPUT I	OUTPUT	P	P PEAK	REND.	DIST.	NET WEIGHT	DIMENSIONS
	VDC	A	VAC	W	W	%	%	Kg	mm
<b>IS SERIES – SINE WAVE INVERTERS</b>									
IS 300	12	30	230	300	600	>90%	<3%	1,5	130 x 150 x 52
IS 600	12	60	230	600	1.200	>90%	<3%	2,2	210 x 150 x 70
IS 1.000	12/24	100/50	230	1.000	2.000	>90%	<3%	3,1	310 x 150 x 70
IS 1.500	12/24	75	230	1.500	3.000	>90%	<3%	6,2	290 x 220 x 90
IS 2.000	24	100	230	2.000	4.000	>90%	<3%	6,35	320 x 220 x 90
IS 2.500	24	130	230	2.500	5.000	>90%	<5%	6,7	380 x 220 x 90
IS 3.000	24	150	230	3.000	6.000	>85%	<5%	7,8	360 x 220 x 150
IS 4.000	24	167	230	4.000	8.000	>85%	<5%	11,8	410 x 220 x 150
IS 5.000	24	208	230	5.000	10.000	>85%	<5%	13	480 x 220 x 150
IS 6.000	24	125	230	6.000	12.000	>85%	<5%	13,8	480 x 220 x 150

### SINE WAVE INVERTER – WITH MPPT AND CHARGER (3 in 1)

#### Features:

- Selectable UPS or power saving mode
- Pure sine wave output (THD <5%)
- Peak power capacity up to 6000w
- High efficiency up to 90%
- Comprehensive LED indications for operating status
- Complete Digital Controller
- 20A Solar Charging Current | AC Charger Current: 15-20A
- Fast transfer time 10 ms
- Three Charging Modes: Temperature & Load



MODEL	VBTR	OUTPUT	P	MPPT REGULATOR	CHARGER	NET WEIGHT	DIMENSIONS
	VDC	VAC	W	A	A	Kg	mm
<b>IS MPPT SERIES – SINE WAVE INVERTER WITH MPPT AND CHARGER</b>							
IS 2.000 MPPT	12	230	2.000	20	15	9,7	410 x 220 x 150
IS 2.500 MPPT	12	230	2.500	20	15	10,5	430 x 220 x 150
IS 3.000 MPPT	12	230	3.000	20	20	12	410 x 220 x 150











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