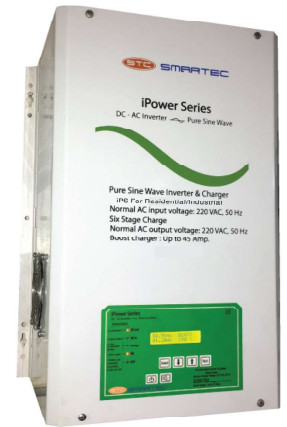


NEW**SMARTEC Technologies**

iPower Series Inverter/Charger For Residential - Industrial

DC-AC Inverter / Charger**~ Pure Sine Wave
Single Phase****Single Conversion Online****Lithium Battery Ready****Model****iPS 3500 - 24V
iPS 5000 - 24V
iPS 4000 - 48V
iPS 6000 - 48V
iPS 8000 - 48V
iPS 10000- 48V****ON Grid / OFF Grid / Parallel
Standard and Smart Solar Mode****ياخذ طاقة مباشرة من الشمس من خلال
الألواح الشمسية عند توصيله مع Suntrack****Solar Ready Inverter****Extra Heavy Duty****Features and performances**

- Outstanding efficiency and overload.
- Built-in battery status processor and battery temperature controller
- Perfect management and limitation of AC sources.
- Power saving of the consumption peaks.
- Automatic allocation of the power available.
- Automatic protection of the sources against overload.
- Single-phase smart Inverter/Charger with Low Frequency topology.
- Ensuring the highest overload capability and the minimum stand-by consumption.
- Powerful multi-stage PFC charger.
- Output power factor = 1
- Automatic and efficient stand-by.
- Display, programming and data logging.
- RS-232 communication for remote supervision.
- 3-phase system ready.
- Up to 3 units in parallel.
- Net Metering ready.
- Dim. : L x W x H (53 x 34 x 23) cm , carton box Dim: (61.5 x 40 x 35) cm

**3 YEARS WARRANTY Parts & Labor ***

Model	iPS 3500-24	iPS 5000-24	iPS 4000-48	iPS 6000-48	iPS 8000-48	iPS 10000-48
Nominal battery voltage	24 V			48 V		
DC Input voltage range	19 – 34 Vdc			38 - 68Vdc		
Continuous power @ 25°C	3000 VA	4500 VA	3500 VA	5000 VA	7000 VA	9000 VA
Power 30 min. @ 25°C	3500 VA	5000 VA	4000 VA	6000 VA	8000 VA	10000 VA
Power 25 sec. @ 25°C	9 KVA	12.5 KVA	10.5 KVA	15 KVA	21 KVA	26 KVA
Consumption OFF/Stand-by/ON	4 W /10 W /14 W	4 W /10 W /23 W	4 W /10 W /28 W	4 W /10 W /35 W	4 W /10 W /46 W	4 W /10 W /69 W
Maximum load	Up to short-circuit					
Maximum asymmetric load	Up to Continuous power					
Load detection (stand-by)	2 to 25 W					
Maximum efficiency	93 %					
Output voltage	Sine wave 220Vac (+/- 2%) , Output programmable (190-245Vac)					
Dynamic behavior	0.5 ms (on load change 0 to 100%)					
Overload and short-circuit	Automatic disconnection up to 10 times restart attempt					
Overheat protection	Warning before shut - with automatic restart					
Battery charger 6 step adjustable : I-U-Uo-Equalize-Uo(low)-U(periodic)						
Charging current adjustable	50 A	50 A	50 A	50 A	50 A	50 A
Maximum input voltage	265Vac					
Input AC voltage range/Freq. range	Adjustable threshold from 150 to 265Vac / 45 to 55Hz (APS Mode)					
Battery control						
Absorption voltage**	28.8 / 19 – 34 V			57.6 / 38 - 68V		
Floating voltage**	27.2 / 19 – 34 V			54.4 / 38 - 68V		
Reduced floating voltage	19 – 34 V			38 – 68 V		
Reduced floating time	0 - 32 days					
Periodic absorption time	0 - 10 hours					
General data						
Auxiliary Output	2 independent Transistor short circuit protected outputs					
Auxiliary Input	2 Opto Coupler Programmable Input 10V → 60VDC					
Operating Temperature range	-20 to 55°C					
Relative humidity in operation	95 % without condensation					
Conformity	Directive EMC 2004/108/EC : EN 61000-6-1, EN 61000-6-3, EN 55014, EN 55022, EN 61000-3-2, 62040-2 Low voltage directive 2006/95/EC : EN 62040-1-1, EN 50091-2, EN 60950-1					
Weight with the carton box	26.6 Kg (59 lbs)	40 Kg(88 lbs)	36.6 Kg(81 lbs)	43.6 Kg(96 lbs)	51.6 Kg(114 lbs)	61.6 Kg(136 lbs)

***Reverse polarity not under warranty // ** Programmable**

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