Make in India. Made for India.

PROSTARM
Power Redefined



PM890 IR SERIES

80 KVA ~ 500 kVA
0.9
(3:3)

A890 series UPS 80 ~ 500 kVA provide maximum protection and power quality for mission critical loads, including data centers, industrial processes, telecommunications, security and electro-medical systems. It is an on-line double conversion UPS with IGBT-based 3-level PWM rectifier technology, featured with high input power factor (> 0.99), low THDi, high efficiency (max. ≥ 94%) and built-in output isolation transformer.

Features

- Onlinetdouble-conversion with DSP control
- Latest IGBT rectifier technology, high input power factor (> 0.99) and low THDi (≤ 3%)
- Strong mixed load capacity and high overload capacity
- Batteries are connected directly to the bus, improving the impact resistance of UPS output
- Output isolation transformer using DZn0 winding makes strong capability with unbalanced load
- Input and output are completely isolated for great security
- Simulated modular design makes maintenance easy and quick
- Front accessible maintenance and installation against wall allowed
- High efficiency even at light loads • Compact and small footprint
- Unique ventilation design
- High MTBF (> 200,000 h)
- Low MTTR (< 0.5 h)
- Bottom and sides cable entry compatible
- Generator compatible
- Intelligent self-diagnosing function, superior failure protection, large capability of history records storage
- Optional N+X redundancy parallel up to 6 unit

Make in India. Made for India.

PROSTARM
Power Redefined

Specifications

PM890 IR SERIES

MODEL	GT80	GT100	GT120	GT160	GT200	GT250	GT300	GT400	GT500
Capacity	80 kVA / 72 kW	100 kVA / 90 kW	120 kVA / 108 kW	160 kVA / 144 kW	200 kVA / 180 kW	250 kVA / 225 kW	300 kVA / 270 kW	400 kVA / 360 kW	500 kVA / 450 kW
INPUT									
Input wiring	Three-phase five-wire (3Φ + N + PE)								
Rated voltage	380 V / 400 V / 415 Vac								
Voltage range	346 V ~ 456 V (full load), 304 V ~ 346 V (derating 10%)								
Rated frequency	50 / 60 Hz								
Frequency range	50 / 60 Hz ± 5 Hz								
Power factor	0.99								
Total harmonic distortion (THDi)	3%								
Input current-limiting	1.1 times of rated current (0.1 ~ 1.1 settable)								
Rectifier delay start	10 s (1 ~ 300 settable)								
Bypass voltage range	± 20% (settable)								
OUTPUT									
Output wiring	Three-phase five-wire (3Φ + N + PE)								
Rated voltage	380 V / 400 V / 415 Vac								
Voltage regulation accuracy	± 1%								
Voltage regulation	0 V (± 1 ~ ± 5 V settable)								
Frequency	Synchronized with utility in mains mode; 50 / 60 Hz ± 0.1% in battery mode								
Power factor	0.9								
Total harmonic distor- tion (THDV)	≤2% (linear load); ≤5% (non-linear load)								
Crest factor	3:1								
Overload capability	105% ~ 110% for 60 min, 110% ~ 125% for 10 min								
BATTERIES									
DC voltage	600 Vdc (support 576 Vdc / 588 Vdc / 612 Vdc / 624 Vdc)								
Number of batteries	50 pcs 12 V (support 48 / 49 / 51 / 52 pcs)								
Charging current	Charging rate (settable) × battery capacity (settable) × number of battery groups (settable)								
SYSTEM									
Efficiency	Line mode ≥92%, ECO mode ≥98%					Line mode ≥94%, ECO mode ≥98%			
Max. number of parallel connections	6								
Protections	Short-circuit, overload, overtemperature, overvoltage, undervoltage, battery low voltage and fan failure								
Communications	Standard configuration: RS232, RS485, dry contacts Optional configuration: SNMP card, temperature compensation, SMS alarms								
Display	5.7 inches LCD touch screen								
OTHERS									
Operating temperature	0 ~ 40°C								
Storage temperature	- 25°C ~ 55°C (without battery)								
Humidity	0% ~ 95% (non-condensing)								
Altitude	≤1000m. Above 1000m, derating 1% for each additional 100 m								
IP rating	IP 20								
Noise level at 1 m	< 65 dB							< 70 dB	
Dimensions (W × D × H) (mm)	800 × 800 × 1800			800 × 860 × 1700	1210 × 860 × 1950			2380 × 860 ×1950	
Packaged dimensions (W × D × H) (mm)	900 × 900 × 2050			900 × 1000 × 1950	1300 × 1000 × 2200			1300 ×1000 × 2200 (× 2)	
Net / Gross weight (kg)	580 / 630	630 / 680	680 /730	790 / 810	1135 /1200	1275 /1340	1355 /1420	2090 /2200	2300 /2410

- All specifications aresubject to change without notice.
- Custom-made specifications are acceptable.

PROSTARM INFO SYSTEMS LTD Corporate Office:
EL-79,TTC Industrial Area, Mahape MIDC, Navi Mumbai - 400710

+91 022 45280500
sales@prostarm.com