

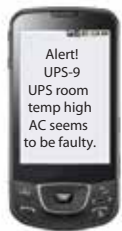


Power conditioning Online UPS 6KVA -100KVA

DSP SNMP
Galvanic isolation
Industrial long life design

Load Redundant
Power conditioning
PFC

6KVA - 10 KVA	101 PFC Series
10KVA - 40 KVA	301 EC Series
10KVA - 100 KVA	303 EC Series



Smart Anticipated Fault alarm-AFA communication

Receive SMS/Call on your Cell Phone about the status of UPS and pre-trip conditions much before the UPS could trip. Enabling the user/maintenance engineers to carry out a damage prevention measures.

- Tight voltage and frequency regulation
- Galvanic isolation at the output with H-bridge inverter
- Higher crest factor UPS, can handle high surge loads without derating in the output waveform
- Active Input Power Factor Correction using IGBTs (in 1ph-1ph)
- Active serial load redundant design
- Anticipated Fault Alarm via GSM-SMS and with operator PC interface communication ensures pre-trip preventive measures in case of an eventuality
- Power-conditioning design (Extends the life of connected equipment by 40%)

Applications

- PC, Networking & Data Centre
- Tetrapacking
- Petrol pumps
- LED advertisement
- Stadium lighting
- HPLC, GC & XRD machinery
- Pharmaceutical Labs
- Color doplers & Ultrasound scanners
- Treadmills CT & MRI scanners
- Digital & Offset printers
- Multiplex & Cinema Halls
- Cable TV Control Rooms
- Home theatres
- Recording Broadcasting & receiving Studios
- Lifts & Escalators
- Environment chambers



Govt. of India certified
Importer & Exporter
Code: 0708009123

MEMBER OF
एन. एस. आई. सी.
NSIC
Registration No.
NSIC/KAR/GP/RS/KT/A-169/2010

JAS-ANZ
ICSI
R091/3926
ISO 9001-2008

Visit our factory at:

www.donveypower.com

TECHNOLOGY Double conversion with the latest MPWM technology using IGBT.

MODEL	PFC101-IPF>0.99	EC301	EC303
RATING	1Ø Input - 1Ø Output	3Ø Input - 1Ø Output	3Ø Input - 3Ø Output
CAPACITY	6KVA - 10K VA	10KVA - 40K VA	10K VA - 100K VA
DC BUS	120 / 192V	192 / 240 / 360V	192 / 240 / 360V

INPUT

Input Voltage	230V AC Single Ø	415V AC 3 Ø & N	415V AC Three Ø & N
Input Voltage Window	170 - 270V	330 - 470V	330 - 470V
Input Frequency	50Hz ± 10%	50Hz ± 10%	50Hz ± 10%
Power walk in	Soft start for 0-20 seconds power walk-in		

RECTIFIER

Type	IGBT based full bridge	3 Pulse / 6 Pulse	6 Pulse
Voltage Regulation	(±) 1%		
Ripple Voltage	< 2% without Battery		

BATTERY

Charger Type	SMF / Tubular		
Charging Current Standard	CCCV		
Inverter Type	0 - 6A	0 - 10A	0 - 20A
Power Factor	IGBT based MPWM with instantaneous Sinewave Control		
Nominal Voltage	0.8 lag		
Regulation	Balanced Load	230V / 50Hz	400V / 50Hz
	Unbalanced Load	(±) 1%	(±) 1%
Unbalanced Load Phase Shift	N.A	N.A	(±) 1%
Total Harmonic Distortion	NA	NA	120°± 0.5°
Linear Load	< 2%		
Non Linear Load	< 6%		
Over Load Capacity	125% - 1 Minute ; 150% 10 Seconds		
Transient Response	Output remains within + / - 5% & recover to normal within 20 msec		
Bypass	Manual -Provided. Static by pass- Optional		

EFFICIENCY

Efficiency- 100 % load	> 85 - 87%	> 87 - 89%	> 88 - 93%
Crest Factor	3:1		

Mode of Operation

Mode of Operation	Designed for Continuous operation		
-------------------	-----------------------------------	--	--

ISOLATION

ISOLATION	True Online with complete galvanic isolation for comprehensive power protection.		
-----------	--	--	--

LED Indications

LED Indications	• Mains on • Charger on • Inverter on • Battery Low • Overload • Inverter Trip		
-----------------	--	--	--

LCD Display shows the following parameters

LCD Display shows the following parameters	• Input Voltage • Output Voltage • Load percentage • Output Frequency • Battery Voltage		
PROTECTIONS	<ul style="list-style-type: none"> • Advanced Electronic Protection for device safety, backed up with MCB's / MCCBs & fast acting fuses • high speed pulse by pulse electronic device protection • Electronic over current trip with reset • Input Under Voltage / Over Voltage • Rectifier Over Voltage • Over Temperature • Over load • Battery low • Short circuit • High voltage transient protection & ESD protection as per IEC 62040-2 		

ALARMS

ALARMS	• Input low / fail • Output Overload • Over Temperature • Battery low		
--------	---	--	--

Enclosure Protection

Enclosure Protection	IP - 20		
----------------------	---------	--	--

Cooling

Cooling	Forced air		
---------	------------	--	--

Acoustic Noise level

Acoustic Noise level	< 60db @ 1.5 meter		
----------------------	--------------------	--	--

Operating ambient Temperature

Operating ambient Temperature	0 to 40°C		
-------------------------------	-----------	--	--

Humidity

Humidity	Up to 95% RH Non condensing		
----------	-----------------------------	--	--

Altitude

Altitude	< 3000 Feet above sea level (without derating)		
----------	--	--	--

Software interface-Optional

Software interface-Optional	Via RS 232 for a single PC or RJ 45 connector multiple PC's connected in LAN		
-----------------------------	--	--	--

TESTING STANDARD

TESTING STANDARD	As per IEC 62040-3		
------------------	--------------------	--	--

DONVEY POWER CONTROL SYSTEMS (P) LIMITED

Head Office: F4, 3rd North Phase, 2nd Cross Street, Thiru-Vi-Ka Industrial Estate, Ekkatuthangal, Chennai - 600 032.
 Phone: 044 - 4354 2686, 2225 3267, Telefax: 044 - 4350 1272, Email: contact@donveypower.com / donvey2002@yahoo.co.in

Visit our factory at:

donveypower.com

*Specifications are indicative to our standard models subject to change without notice.