

DOU Series

1kVA ~ 10kVA (1:1)



- High Charging capability: 2A / 4A / 6A / 8A / 10A / 12A selectable (standard), 14A / 16A / 18A / 20A / 22A / 24A selectable (options) Standard
- configuration with output isolation transformer
- Superior protection (surge, short-circuit, overvoltage, undervoltage, overcharge, reverse battery protection etc.)
- Advanced communications : RS232 and USB ports (standard), SNMP , dry contacts and Rs485 (options)
- Other Options (parallel kit, input isolation transformer, bypass isolation transformer and harmonic suppressor)
- Static Bypass Switch Available, Manual Bypass Optional

- DSP (Digital Signal Processors) Technology
- Suitable for all kinds of loads (resistive, inductive and non - Linear loads etc)
- High overload capability (upto 150%)
- Bypass dual DSP control design to enhance more reliability
- Supports dual input, hot standby in series
- Redundant & parallelable with advance parallel current-sharing control technology
- Cold start and mains start function
- Generator Compatible

Rear Panel

1. EPO
2. USB
3. Rs232
4. Parallel Port (Optional)
5. SNMP (Optional)
6. Fan
7. Breaker
8. Terminal
9. Battery Connector
10. Fuse
11. Input



Specifications

MODEL	DOU1K	DOU2K	DOU3K	DOU5K	DOU6K	DOU10K
Capacity	1KVA	2KVA	3KVA	5KVA	6KVA	10KVA

Nominal Voltage	220/ 230 / 240 VAC (1Ph + N + PE, 3 wire)
Operating Voltage range	110V~ 300V AC @ 50% Load/140V - 300VAC @ Full Load
Operating Frequency range	50 / 60 Hz \pm 10% (Auto Sensing)
Power factor	>0.99

Output Voltage/Power factor	220 / 230/ 240 Vac/ \pm 1%/0.8 Std., 0.9 Optional
Output frequency	Auto sensing 50/60 Hz \pm 1 ~ 10% Sync Mode (Configurable), 50/60 Hz \pm 1 Hz Battery mode
Harmonic distortion (THDv)	\leq 2% (linear load); \leq 5% (non-linear load)
Crest factor	3:1
Efficiency	Up to 94% Dual Conversion Mode, 99% ECO mode
Waveform	Sinusoidal

BATTERY

DC voltage	36V	48V	72V	96V	72V	96V	120-240V Configurable
Charger	6.5 - 13A Configurable						
Typical Recharge Time	8 - 12 Hours (90% of full capacity)						

SYSTEM FEATURES

LCD Indications	Input Voltage/Frequency, Output Voltage/Frequency, Battery Voltage, Load Watt/VA and %, Inverter Temperature, Operation Mode such as "On Line", "ON Batt" or On "Bypass", Fault Codes, Battery & Load Bar graph, Input Current, Output Current, Battery current
LED Indications	Normal Operation, Bypass, Abnormal, Fault and Battery Mode
Alarms/Protection	Batt. Low, DC High, Inverter Under/Over Voltage, UPS over Load, Short Circuit, Fan Failure and UPS fault, Transient surge, Input & Output Fuse.
Overload Capability	\leq 125% for 10 min, >125-150% for 1 min, >150% for 200ms
Transfer Time	AC to Battery: 0ms, Inverter to Bypass : 4ms (Typical)

ENVIRONMENTAL

Temperature	Operating: 0 ~ 45°C, Storage:- 10°C ~ 55°C
Humidity/Altitude	0~ 95% RH (non-condensing) / <1500M
Noise / Cooling	< 55 Db / Forced air Cooling

PHYSICAL

Dimensions (W x D x H) (mm)	144x400x215	192x469x399					220x481x438		
Net weight (kg)	6	10.7	10.8	11.2	10.8	11.2	17	18	20

STANDARDS

Quality	ISO 9001:2015, ISO 140001:2015, BIS
Safety/ IP Rating	IEC/EN62040-1/ Ip20
EMC/Performance	IEC/EN62040-2; IEC/EN62040-3, Complying to CE

COMMUNICATION INTERFACE

Standard	RS-232
Optional	SNMP / ModBus / Dry Contact / USB / RS-485
Monitoring Software	NetAgent utility v5.8/UPSilon 2000

* Specification are subject to change without any prior notice.

* Note: With Isolation Transformer, UPS Dimensions & Weight will be Changed.

Contact Us,

Numax Energy Solutions
 Plot no.50&51, Narayanaswamy Nagar, Old village, Block-2, Cherlapally, Hyderabad,500 051.
 E-Mail: sales@numaxups.co.in
 Contact : 9052600712/9866679292

