

ADP Machines 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, over voltage, under voltage, over charge, 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
IGBT Inverter and Rectifier



Rear Panel

- ▶ EPO
- ▶ USB
- ▶ Rs232
- ▶ Parallel Port (Optional)
- ▶ 6NMP (Optional)
- ▶ fan
- ▶ Breaker
- ▶ Terminal
- ▶ Battery Connector
- ▶ Fuse
- ▶ Input

Applications

- ▶ All Kind of ADP Machines



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Specifications



MODEL	DOU1K	DOU2K	DOU3K	DOU5K	DOU6K	DOU10K			
Capacity	1kVA/kW	2kVA/kW	3kVA/kW	5kVA/kW	6kVA/kW	10kVA/kW			
INPUT									
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 ± 10% (Auto Sensing)								
Power factor	>0.99								
OUTPUT									
Output Voltage/Power factor	220 / 230/ 240 Vac/ ± 1% / 1 Unity Pf								
Output frequency	Auto sensing 50/60 Hz ± 1 ~ 10% Sync Mode (Configurable), 50/60 Hz ± 0.1 Hz Battery mode								
Harmonic distortion (THDv)	≤ 2% (linear load); ≤ 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	≤ 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 / Ip21								
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	iStars v2.0 / NetAgent utility v5.8/UPSilon 2000								

Specifications are subject to change without any prior notice.

Note: With Isolation Transformer, ADP Machines Dimensions & Weight will be changed.