

DG800

6 kVA ~ 10 kVA (1:1)
10 kVA ~ 30 kVA (3:1)
PF 0.8

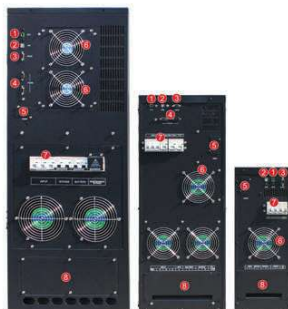


Features

- Single / single-phase, three / single-phase models with on-line double conversion technology
- DSP (Digital Signal Processors) technology
- Suitable for all kinds of loads (resistive, inductive and non-linear loads etc)
- High overload capability (up to 150%)
- Bypass dual DSP control design to enhance more reliability
- Supports dual input, hot standby in series
- Redundant & parallelable with advanced parallel current-sharing control technology (10 - 30 kVA)
- Cold start and mains start function
- High charging capability: 2 A / 4 A / 6 A / 8 A / 10 A / 12 A selectable (standard), 14 A / 16 A / 18 A / 20 A / 22 A / 24 A 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 kits, input isolation transformer, bypass isolation transformer and harmonic suppressor)

Rear Panel

1. EPO
2. USB
3. RS232
4. Parallel port (optional)
5. SNMP (optional)
6. Fan
7. Breaker
8. Terminal



Specifications

MODEL	DG806 (1:1)	DG810 (1:1)	DG810 (3:1)	DG815 (3:1)	DG820 (3:1)	DG830 (3:1)
Capacity	6 kVA / 4800 W	10 kVA / 8 kW	10 kVA / 8 kW	15 kVA / 12 kW	20 kVA / 16 kW	30 kVA / 24 kW
INPUT						
Input wiring	Single-phase three-wire (1Φ + N + PE)		Three-phase five-wire (3Φ + N + PE)			
Rated voltage	220 / 230 / 240 Vac		380 / 400 / 415 Vac			
Voltage range	165 ~ 275 Vac		285 ~ 475 Vac			
Rated frequency	50 / 60 Hz					
Frequency range	40 ~ 70 Hz					
Bypass voltage range	± 25% (settable)					
OUTPUT						
Output wiring	Single-phase three-wire (1Φ + N + PE)					
Rated voltage	220 / 230 / 240 Vac					
Output voltage regulation	± 1%					
Rated frequency	50 / 60 Hz (settable)					
Output frequency regulation	50 / 60 Hz ± 0.1 Hz in battery mode					
Waveform	Sinusoidal					
Power factor	0.8					
Voltage distortion (THDv)	≤ 2% (linear load); ≤ 5% (non-linear load)					
Crest factor	3:1					
Overload	105% ~ 125% for 10 min, 125% ~ 150% for 1 min, 150% ~ 200% for 200 ms, > 200% for 100 ms					
BATTERIES						
DC voltage	192 Vdc					
Number of batteries	12 V × 16 pcs					
Charging voltage	216 Vdc					
EOD	168 Vdc					
Charging current	Default 8 A (2 A / 4 A / 6 A / 8 A / 10 A / 12 A selectable)					
SYSTEM						
Max. number of parallel connections	/		2			
Protections	Short-circuit, overload, overvoltage, undervoltage, low battery, overtemperature					
Communications	RS232 / USB (standard); RS485 / SNMP / dry contacts (optional)					
OTHERS						
Operating temperature	0 ~ 40°C					
Storage temperature	- 25°C ~ 55°C (without batteries)					
Relative humidity	0 ~ 95% (non-condensing)					
Altitude	≤ 1000 m (derating 1% for each additional 100 m)					
IP rating	IP 20					
Noise level at 1 m	< 60 dB					
Dimensions (W × D × H) (mm)	210 × 585 × 590	310 × 600 × 880		400 × 815 × 1100		
Packaged dimensions (W × D × H) (mm)	328 × 716 × 805	430 × 710 × 1080		525 × 925 × 1305		
Net weight (kg)	54	104	140	210	240	280
Gross weight (kg)	64	113	153	225	255	295

- All specifications subject to change without notice.
- Custom-made specifications are acceptable.
- This product is applicable to industrial, commercial, financial, rail transit and other industries applications, but not available for life support systems.
- For critical systems related to public safety or significant economic benefits, dual power system is required to power the load.