

# ACE

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

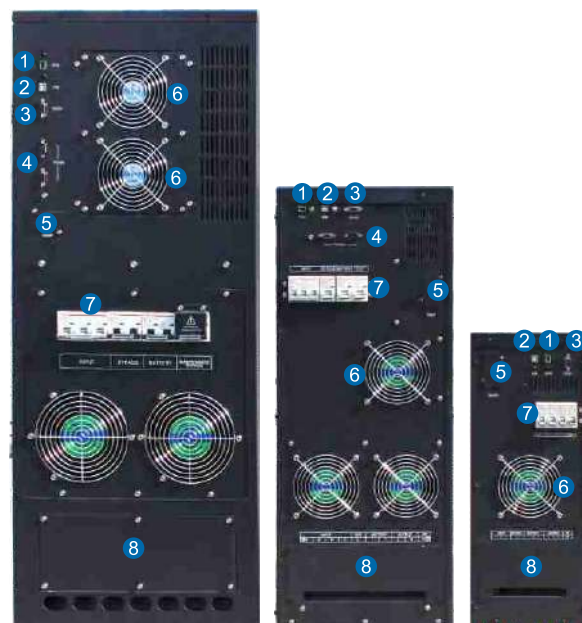


## Features

- Single / single-phase, three / single-phase models with on-line double conversion technology
- DSP (Digital Signal Processing) 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 (10 - 30 kVA)
- 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) (10 - 30 kVA)
- 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)

## Details

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



## Technical specifications

MODEL	ACE 06 (1:1)	ACE 10 (1:1)	ACE 10 (3:1)	ACE 15 (3:1)	ACE 20 (3:1)	ACE 30 (3:1)
Capacity	6 kVA 4.8 kW	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 Hz / 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 (WxDxH) (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 are 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.