

Features

- Online double-conversion with full DSP control
- IGBT inverter with output isolation transformer
- 100% unbalance load capability
- Output power factor 0.9
 Generator compatible
- Support battery cold start and auto-restart when mains power is restored
- ECO mode operation for energy saving
- Superior protection
- 7 inches LCD touch screen, friendly human & machine interface
- Front access makes maintenance and replacement simplified (60 ~ 120 kVA)
- Intelligent self-diagnosing function, all kinds of failure protection, large capability of history records storage
 High MTBF (> 200,000 h)
 Low MTTR (< 0.5 h)

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- Standard emergency power off (EPO)
 Standard RS232,RS485,dry contacts communication port
 Optional SNMP communication port
- Optional N+X redundancy parallel up to 6 units
- Optional input filter to improve input power factor



Technical specifications

MODEL	ARM 10	ARM 15	ARM 20	ARM 30	ARM 40	ARM 60	ARM 80	ARM 100	ARM 12
Capacity	10 kVA 9 kW	15k VA 13.5 kW	20 kVA 18 kW	30 kVA 27 kW	40 kVA 36 kW	60 kVA 54 kW	80 kVA 72 kW	100 kVA 90 kW	120 kV 108 kV
INPUT									
Input wiring	Three-phase five-wire (3Φ + N + PE)								
Rated voltage	380 V / 400 V / 415 Vac								
Voltage range	285 ~ 475V								
Rated frequency	50 / 60 Hz								
Frequency range	(50 / 60) ± 5 Hz								
Power factor	≥ 0.95 (with filter)								
Bypass voltage range	± 20% (settable)								
Delayed start of rectifier	10 s (1 ~ 300 settable)								
ОИТРИТ									
Output wiring	Three-phase five-wire (3Φ + N + PE)								
Rated voltage	380 V / 400 V / 415 Vac								
Output voltage regulation	± 1%								
Output frequency regulation	50 / 60 Hz ± 0.1% in battery mode								
Waveform	Sinusoidal								
Power factor	0.9								
Voltage distortion (THDv)	≤1% (linear load), ≤ 5% (non-linear load)								
Crest factor	3:1								
Overload	105% ~ 110% for 1h, 110% ~ 125% for 10 min								
BATTERIES					-				
DC Voltage		l e	ad acid hatte	rv: 360Vdc	Lithium iron	nhosnhate h	atterv: 384 \	Vdc	
20 voltago	Lead acid battery: 360Vdc Lithium iron phosphate battery: 384 Vdc								
Number of batteries	Lead acid battery: 12 V x 30 pcs (support 28~32 pcs) Lead acid battery: 2 V x 180 pcs (support 168~192 pcs)								
Number of batteries	Lithium iron phosphate battery: 3.2 V x 120 pcs (support 103-132 pcs)								
Charging current	CI	harging rate	(settable) × I	battery capa	city (settabl	e) × number o	of battery gr	oups (settabl	e)
SYSTEM		3 3	(, , , , ,	, (,	, , , ,		- /
Efficiency			Ir	line mode: N	12v 03%: EC	O mode: ≥ 98°	0/_		
Max. number of parallel connections				r iirie mode. n	6	70 mode. 2 30	70		
Protections									
	Short-circuit, overload, overvoltage, undervoltage, low battery, overtemperature, fan failure								
Communications	RS232 / RS485 / dry contacts (standard), SNMP (optional)								
EMI	EN62040-2								
EMS	IEC61000-4-2 (ESD) IEC61000-4-3 (RS)								
	IEC61000-4-3 (NS)								
	IEC61000-4-5 (surge)								
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	65 dB								
	400×800×1100 600×700×1500 700×800×1700)
Dimensions (W×D×H) (mm)	490×920×1300 700×800×1650 800×900×1850								
Dimensions (W×D×H) (mm) Packaged dimensions (WxDxH) (mm)			190×920×130	U		/UUX8UUX1h5U	(00029002100)
Dimensions (W×D×H) (mm) Packaged dimensions (WxDxH) (mm) Net weight (kg)	158	165	175	210	260	460	590	630	690

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.