MODEL	SHIELD-6K	SHIELD-6K-KS*	SHIELD-10K-11	SHIELD-10K-11-KS*	
Power	6 kVA	/ 6 kW	10 kVA	/ 10 kW	
MAIN INPUT					
Grid system		1 Phase + Ne	utral + Ground		
Rated voltage / Frequency	230VAC, 50/60 Hz				
Voltage range	110~288 VAC (derating with main <176 VAC)				
Rating (nominal input voltage)	30 A	34 A	49 A	53 A	
Frequency range	40~70Hz (rectifier operating range)				
Power factor	>0.99				
Current THDi	<4%				
OUTPUT					
Rated voltage / Frequency	220/230/240 VAC, 50/60 Hz (110 VAC version available upon request)				
Power Factor	Dura sina waya				
Wave form	Pure sine wave ≤1% (linear load);				
Voltage THDv	≤1% (initeal load), ≤5% (non-linear load)				
Voltage precision	±1% (0-100% linear load)				
Transient recovery	Compliant to EN62040-3 VFI-111 Standard				
Inverter overload	105-110%, 10 minutes 110-125%, 1 minute				
	110-125%, 1 minute 125-150%, 30 seconds				
Bypass overload	100-125% long term operation				
	125-130%, 5 minutes				
	130-150%, 1 minute >150%, 200 milliseconds				
Frequency regulation	50/60 Hz ±0.1%				
Synchronized range	Selectable, default ±5 Hz				
Synchronized slew rate	Selectable (1 Hz/S ~ 5 Hz/S)				
Crest factor	3:1				
BATTERIES					
Battery type		F	b		
Battery capacity	12 V / 7 Ah Selectable 12 V / 9 Ah Selectable				
Number of batteries in series	16 (standard)				
Battery range	From 16 to 20	From 16 to 24	From 16 to 20	From 16 to 24	
Battery rate voltage	192 / 240 VDC 50% load: up to 12 minutes	192 / 288 VDC	192 / 240 VDC 50% load: up to 8 minutes	192 / 288 VDC	
Backup time	75% load: up to 7 minutes	Depending on external batteries capacity	75% load: up to 4 minutes	Depending on external batteries capacity	
	100% load: up to 3.5 minutes	external batteries capacity	100% load: up to 1.5 minutes	external batteries capacity	
BATTERY CHARGER					
Charging voltage	2.25 V/cell default (settable)				
Charging current	1 A	5 A (settable)	1 A	5 A (settable)	
Charging time	8 h to recover 80% capacity	Depending on external batteries capacity	8 h to recover 80% capacity	Depending on external batteries capacity	
SYSTEM					
	Normal operation: 95%				
Efficiency	Battery operation: 94.6%				
Diaglas	Eco Mode operation: 98%				
Display Protection degree	LED + LCD IP20				
Protection degree	Standard equipment: RS232, USB, Cold Start, EPO				
Interface	Optional: RS485, SNMP, dry contacts, parallel kit				
ENVIRONMENT					
Operating temperature	0 ~ 40°C				
Storage temperature	-20 ~ 70°C				
Relative humidity	0 ~ 95% (no condensing)				
Noise (dBA at 1 meter far)	< 58				
Altitude	<1000m; load derated 1% per 100m, from 1000 ~ 5000m				
MECHANICAL DATA					
Dimensions W*D*H (mm)		190*525*705			
Weight (Kg)	56	15	60	17	
Color		В	ack		