

AC OUTPUT	ESCA2028-I21	ESCA2028-I54	ESCA2028-O54
Output Phase Configuration		3-Phase	
AC Output Voltage		400V	
AC Output Frequency		50Hz	
MAX Continuous AC Output Power		28.8kW	
MAX Surge AC Output Power		36.0kW	
MAX Apparent AC Output Power		36.0kVA	
Fault Current <20ms		124A	
Fault Current <15s		90A	
Power Factor Range		0.8 Lagging to 0.8 Leading	
UPS Mode		0ms	
Total Harmonic Distortion		<3%	
<b>AC INPUT</b>			
AC Input Type		Grid/Genset	
Nominal AC Input Voltage		400V	
AC Input Voltage Range		400V +/- 25%	
Input Phase Configuration		3-Phase	
Nominal AC Input Frequency		50Hz	
AC Input Frequency Range		47Hz to 53Hz	
MAX Continuous AC Input Power		32.4kW	
MAX Apparent AC Input Power		36kVA	
Surge Protection		Type II	
<b>BATTERY</b>			
Total Energy		53.2kWh	
Useable Energy 90% DOD		47.88kWh	
Useable Energy 80% DOD		42.56kWh	
Nominal DC Voltage		51.2V	
Battery Chemistry		LFP	
Battery Cell Type		Cylindrical	
<b>EFFICIENCY</b>			
AC to AC		96.00%	
DC to AC		93.70%	
AC to DC		93.70%	
AUX Power Consumption	30W	1350W	1350W
<b>ENVIRONMENT</b>			
Operating Ambient Temperature Range		-6 to 56°C	
Nominal Ambient Temperature Range		15 to 30°C	
MAX Output Power Ambient Temperature Range		10 to 40°C	
Storage Temperature with Battery		0 to 35°C	



Specifications correct at time of publication and are subject to change. Refer to website for latest information.

## ESCA2028-I21

## ESCA2028-I54

## ESCA2028-054

Storage Temperature without Battery	-10 to 60°C		
Humidity	95% – Non Condensation		
MAX Elevation	1500m		
Location	Indoor	Indoor	Outdoor
IP Rating	IP21	IP54	IP54
Noise Level @1m	61dB	59dB	61dB
Cooling	Natural Convection	Air Conditioning	Air Conditioning

**MECHANICAL**

Dimensions (H x W x D)	2050 x 600 x 800mm	2100 x 600 x 800mm	2160 x 800 x 925mm
Mounting Options	Floor	Floor	Floor
Weight with Batteries	1000kg	1050kg	1100kg
Weight without Batteries	398kg	448kg	498kg
Lifting Options	Caster Wheels	Forklift/Crane	Forklift/Crane

**MONITORING & CONTROL**

Connection Types	USB, Ethernet, RJ45		
Remote Monitoring	User/Installer/Admin		
Remote Configuration	Yes		
Communications	Modbus, SNMP, Remote API, VPN Tunneling, DRM, RS485		
VPP Ready	Yes		
3rd Party Control	Yes		

**COMPLIANCE**

Emissions	EN61000-1/2/3/4		
Certification - Battery	IEC62619, AS62368, UN38.3		
Certification - Inverter	AS4777, IEC62109, IEC 62040		

**SERVICE**

Field Serviceable	Yes		
Inverter Design	Modular Hot Swapable		
Battery Design	Modular		

**WARRANTY**

Battery	10 Years		
Inverter	5 Years		
Communication Equipment	2 Years		
Switchgear/HVAC	2 Years		
Enclosure	10 Years		

**CUSTOM CONFIGURATIONS**

AC Input	1PH/2PH/3PH/Split Phase		
AC Output	1PH/2PH/3PH/Split Phase		
Communication Equipment	4g/5g/Satellite		
AC Coupled PV	2:1 Ratio		
AC Coupled PV Compatibility	SMA/Fronius		
DC Coupled PV	Yes		
DC Coupled PV Compatibility	ESCA50		
Multi-Cabinet Solutions	Up to 16 Cabinets		
Harsh Environment Coating	Coastal, Sand/Dusty, Chemical		

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