

DC INPUT	ESCA5028-I21		ESCA5028-I54		ESCA5028-O54	
MAX DC Voltage			600V			
Start-Up Voltage			60V			
MPPT Voltage Range			170V to 540V			
MPPT Current			14A			
Short Circuit Current			20A			
Number of MPPT			8			
Number of inputs per MPPT			1			
BATTERY						
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			
EFFICIENCY						
DC to DC			96.00%			
ENVIRONMENT						
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			
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	55dB		54dB		54dB	
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			



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

Communications	Modbus, SNMP, Remote API, VPN Tunneling, DRM, RS485
3rd Party Control	Yes
COMPLIANCE	
Emissions	EN61000-1/2/3/4
Certification - Battery	IEC62619, AS62368, UN38.3
Certification - MPPT Module	IEC62109
SERVICE	
Field Serviceable	Yes
MPPT Module Design	Modular
Battery Design	Modular
WARRANTY	
Battery	10 years
MPPT Module	5 Years
Communication Equipment	2 years
Switchgear/HVAC	2 years
Enclosure	10 Years
CUSTOM CONFIGURATIONS	
Communication Equipment	4g/5g/Satellite
Number of MPPT Modules	1/2/3/4/5/6/7/8
Multi-Cabinet Solutions	No Limit
Harsh Environment Coating	Coastal, Sand/Dusty, Chemical