

Smart Disconnect Switch (SDS)

MODEL NUMBER: APKE00067

The Smart Disconnect Switch is a versatile and powerful addition to the PWRcell 2 system that aggregates all power generation sources into one hub - supporting AC-coupled PV, battery backup and generator integration. The SDS also has integrated power control systems (PCS), reducing the need for main service panel upgrades.



Features & Benefits

- Integrates with ecobee Smart Thermostat Enhanced and Premium models, enhancing energy management capabilities
- Seamlessly connects Generac home standby generators¹ up to 28 kW for exceptional resiliency
- Wi-Fi, LTE connectivity
- Supports both partial and whole home backup
- Suitable for service and non-service entrance

Specifications

PERFORMANCE	
AC Voltage (Nominal)	120/240 V
Grid Type	Single Phase
Grid Frequency	60 Hz
Current Rating	200 A
Maximum Input Short Circuit Current	22 kA
Automatic Transfer Time	< 50 ms
Overcurrent Protection Device	Main breaker (EATON 2-pole series only): CSR2100N (100A), CSR2125N (125A), CSR2150N (150A), CSR2200N (200A)
Overvoltage Category	IV
Primary Connectivity	Wi-Fi, Ethernet
Secondary Connectivity	Cellular (LTE CAT-M1)
System Control Method	CAN
Warranty	10 years
MECHANICAL	
Dimensions (L x W x H)	17 29/32 in x 7 3/32 in x 36 1/2 in (45.46 cm x 18.03 cm x 92.71 cm)
Weight	54 lbs (24.49 kg)
Mounting Options	Wall

ENVIRONMENTAL	
Operating Temperature	-22 to 122 °F (-30 to 50 °C)
Operating Humidity	Up to 100% condensing
Maximum Elevation	6562 ft (2000 m)
Environment	Indoor and outdoor rated
Enclosure Type	NEMA 3R
COMPLIANCE	
Certifications	UL 1741, UL 1741 SA11, UL 1741 SB, UL 869A, UL 67, UL 1741 PCS CRD (UL 3141), IEEE 1547, IEEE 1547a, IEEE 1547.1, IEEE 2030.5, CSIP, CA Rule 21, Rule 14H (HECO SRD V2.0), ISO-NE, PRC-024, Regulation No. 8915 (PREPA)
Emissions	FCC Part 15 Class B
INTERCONNECTION	
Maximum Back Up Load Panel	200 A
Maximum Non-Back Up Load Panel	100 A
Generac Generator ¹	Up to 28 kW
Maximum AC PV Breaker Size	60 A
ESS	60 A

¹Compatible with Generac Single Phase, Air-cooled, Generators 10-28 kW with an Evolution or Power Zone 200 controller. Excludes portable generators.