

SAVANT



POWER STORAGE 20

An all-in-one performance battery and inverter solution that's powerful yet simple to install. Scales to handle electrical services up to 800A with multiple units, delivering clean reliable energy to every circuit in the home.

INVERTER

ESS Model	PS20-12.5KW-100A-XX
Continuous Inverter Output	12.5 kW
Maximum Surge Output	24 kW, 400 ms / 16 kW, 10s
Interconnection Rating	100A, per Power Storage 20
Interconnection Voltage	120/240 V
Interconnection Frequency	60 Hz
Maximum AC & DC Power Support	13 kW
Off-Grid Power Rating	52A
Grid Transfer Time	< 70 ms
Split Phase Load Imbalance	100%
Power Factor	0.9 +/-
Total Harmonic Distortion	< 3%
Round Trip Efficiency*	93.8 %

*CEC rated efficiency

BATTERY

Rated Energy Capacity	20 kWh
Recommended Max DOD	90 %
Battery Voltage, Nominal	384V
Battery Chemistry	LiFePO ₄

SAVANT POWER SYSTEM

Single App Experience	Yes
Load Management Platform	Included
Connectivity	Wi-Fi, Wired, Cellular
Deployment	Savant Power & Light App Savant RacePoint Blueprint

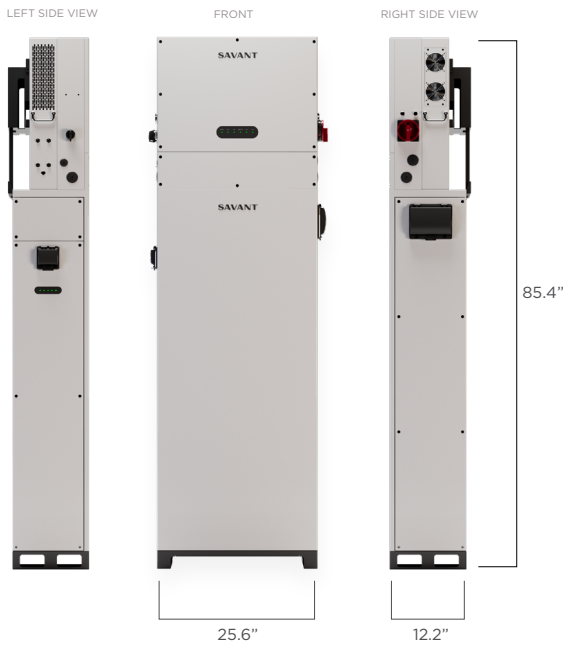
POWER SOURCE COMPATIBILITY

Maximum Solar Input (DC)	17 kW
Maximum Solar V _{oc}	450 V
Solar MPPTs	2
Strings/MPPT	2
Rated Solar Current, I _{MP}	26A per MPPT
Maximum Solar Input, I _{sc}	37 A per MPPT
MPPT Efficiency	99%
Sunspec RSD Transmitter	Integrated
AC Coupled Solar Support	12.5 kW
Automatic Generator Support	Yes

LIFE CYCLE

Warrantied Cycles	73 MWh / 3,650 cycles
Rated Cycles*	6000
Estimated Capacity, 10 Years	75%
Warranty	10 Years

*Based on 90% DoD / 0.5C. Refer to the [New Savant Product Limited Warranty](#) terms for more details on coverage.



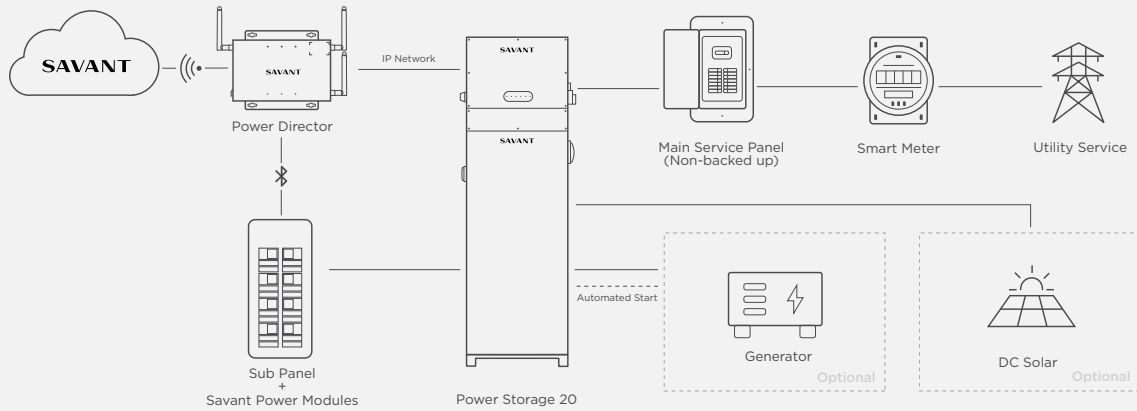
PHYSICAL SPECIFICATIONS

Total Unit Dimensions (WxHxD)	25.6 x 85.4 x 12.2"
Total Unit Weight	600 lbs
Battery Module Weight	47.4 lbs
Inverter (PCS) Weight	102 lbs
Enclosure Type	NEMA4X
Inverter/Battery Installation	Stacked or Separate
Operating Temperature	32°F - 113°F
Recommended Temperature	50°F - 95°F
Altitude	< 9842 ft
Noise Level	< 55 dB

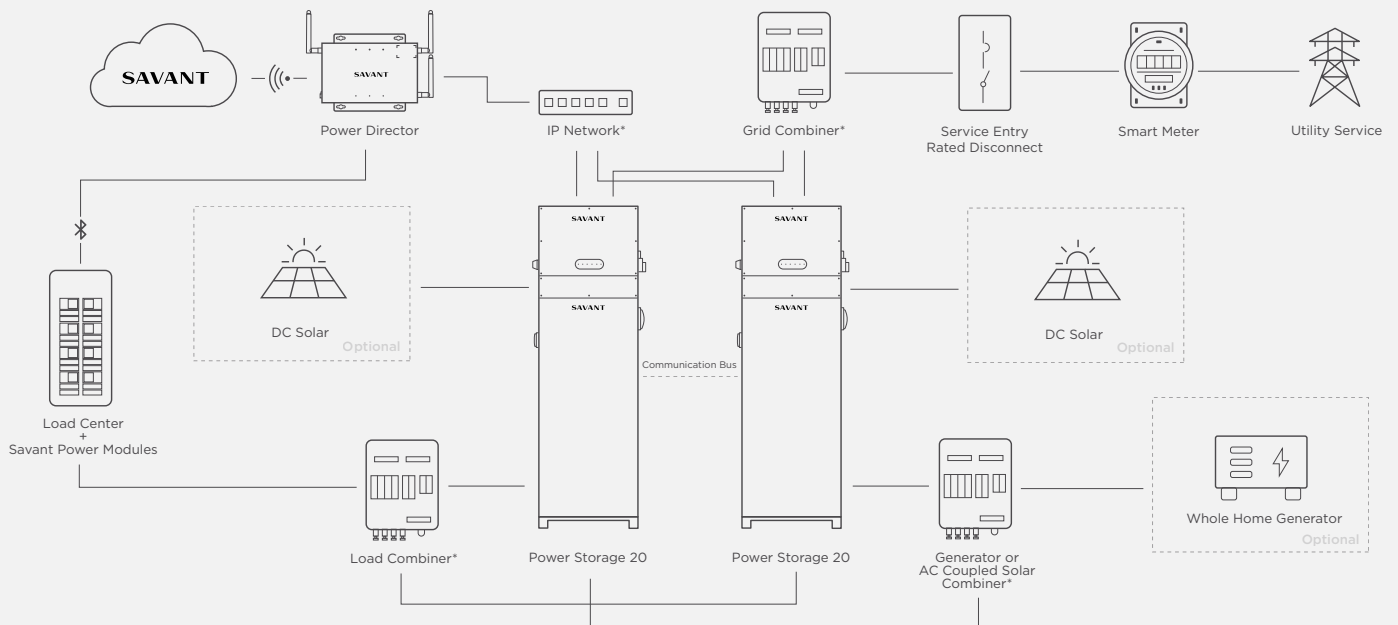
CERTIFICATIONS

Certifications	UL 1741 SB, UL 1741 PCS, UL9540, UL 1973, UL 1642, UL 1998, CSA 22.2
Grid Interconnection	IEE 1547, Rule 21
Emissions	FCC Part 15 Class B

PARTIAL HOME BACKUP / SINGLE UNIT APPLICATION



WHOLE HOME BACKUP / STACKED APPLICATION



*Scale to match the number of Power Storage 20 units deployed.