

## SCALABLE SYSTEM POWER, 2 TO 18 AMPS @87VAC, OUTSIDE CABLE PLANT NETWORK POWER SUPPLY/UPS



For the first time, a cable operator can match the power supply cost and capability to the application. The SSP family is a unique high-efficiency scalable standby power system for the outside plant. Available in three power ranges using 1, 2 or 3 batteries per string allows the operator to achieve high-efficiency and match power system cost to the load/application. With modules that are common to the entire product family, stocking spares is easy.

The SSP family saves the operator significant capital today and in the future in by providing higher power efficiencies and significantly reducing the number of batteries over traditional power offerings.

**NEW! The most cost-effective powering platform on the market today!**



SSP-12



SSP-24, SSP-36

### FEATURES

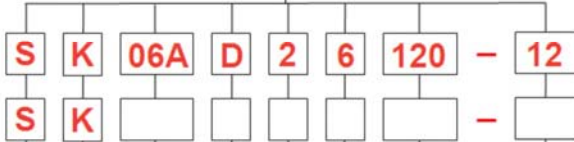
- Scalable standby power supply system
- Achieves high power efficiencies over traditional platforms
- “Small”, “Medium” and “Large” versions to match power system cost to application
  - “Small” versions use 12V battery bus (1 battery)
  - “Medium” versions use 24V battery bus (2 batteries)
  - “Large” versions use 36V battery bus (3 batteries)
- Plug-in modules common across all models
  - Makes spare stocking easy
  - As system evolves, modules can be reused to create different power level products.
  - Preserves value by ability to move modules to different power configurations
- Significant savings in power, deployment, batteries, enclosures
- Ferro-resonant design provides voltage regulation and short circuit protection
- Conformally coated PCB's standard
- Embedded HMS/DOCSIS Transponder

# Ordering Guide

Example Kit Model Number:

## SK06AD26120-12

Example breakdown:



Build you own:



**Product Series**

S - SSP

**Configuration**

K - Shipped as "Kit"

**Output Current at 87VAC**

SSP-12: 02A, 04A, 06A

SSP-24: 09A, 12A

SSP-36: 15A, 18A

**Status Monitoring Modules**

0 - None, D - DOCSIS (Single IP),

U - DOCSIS (Dual IP), E - EuroDOCSIS,

H - HMS (for external transponders)

**Battery String Voltage<sup>2</sup>**

SSP-12: 12 - 12VDC

SSP-24: 24 - 24VDC

SSP-36: 36 - 36VDC

**Input Voltage/Tolerance<sup>1</sup>**

120 - 120 VAC / Std, 220 - 220VAC / Std

230 - 230 VAC / Std, 231 - 230VAC / Ext

240 - 240 VAC / Std

**AC Line Frequency<sup>1</sup>**

5 - 50 Hz, 6 - 60 Hz

**Surge Protection**

0 - None, 1 - One SPL Provided, 2 - Two SPLs Provided

**NOTES:**

- Additional models are available, however not all voltage/frequency/tolerance combinations are possible. Please contact Myers for available models.
- SSP-12 has a 12VDC battery bus (one 12Volt battery)  
SSP-24 has a 24VDC battery bus (two 12Volt batteries in series)  
SSP-36 has a 36VDC battery bus (three 12Volt batteries in series)  
To add runtime, add similar capacity batteries in parallel strings.
- Additional specifications are available. Specifications are subject to change without notice. Contact Myers for additional info.
- When shipped, output voltage factory safety set to 60VAC  
User programmable



SSP-12 installed in CSEP1-120 enclosure

## Specifications\*1\*3

Electrical	SSP-12			SSP-24		SSP-36	
	02A	04A	06A	09A	12A	15A	18A
AC Input:	120VAC			120VAC		120 240VAC	
AC Input Voltage Tolerance:	-25 to 15%			-25 to 10%		-25 to 10%	
AC Input Frequency:	60Hz +/- 3Hz			60Hz +/- 3Hz		60Hz +/- 3Hz	
Input Power Factor, nominal:	>0.95			>0.95	>0.95	>0.95	>0.95
Transformer type:	Ferro-resonant			Ferro-resonant		Ferro-resonant	
Output Power Capability:	180W	360W	540W	810	1080	1350	1620
Output Voltage:	60, 87VAC quasi-square, user select <sup>4</sup>			60, 87VAC quasi-square, user select <sup>4</sup>		60, 87VAC quasi-square, user select <sup>4</sup>	
Output Current at 60/87VAC:	3/2 Amps	6/4 Amps	9/6 Amps	9/9 Amps	12/12 Amps	15/15 Amps	18/18 Amps
Load Efficiency - Mains/Inverter:	up to 90/82%			up to 91/83%		up to 92/85%	
Transfer Time:	Zero, uninterrupted			Zero, uninterrupted		Zero, uninterrupted	
Battery String Voltage:	12VDC			24VDC		36VDC	
Battery Charge Current <sup>5</sup> :	2 - 4 Amps	2 - 6 Amps	2 - 10 Amps	2 - 10 Amps		2 - 10 Amps	
Battery Temp Sensing:	Post mounted			Post mounted		Post mounted	
Battery Temp. Compensation <sup>5</sup> :	Default: -5mV/°C/Cell -40 to 50°C			Default: -5mV/°C/Cell -40 to 50°C		Default: -5mV/°C/Cell -40 to 50°C	
Battery Low Voltage Cutoff <sup>5</sup> :	Default: 1.75V/Cell			Default: 1.75V/Cell		Default: 1.75V/Cell	
Mechanical	02A	04A	06A	09A	12A	15A	18A
Dimensions (HxWxD):	9.6 x 9.1 x 12.75 Inches (24.4 x 23 x 32.4 cm)			9.25 x 16 x 10.7 Inches (23.5 x 40.6 x 27.2 cm)		9.25 x 16 x 10.7 Inches (23.5 x 40.6 x 27.2 cm)	
Weight (with EM+SM installed):	30.3 lbs (13.7Kg)	36.6 lbs (16.6Kg)	43.0 lbs (19.5Kg)	50.5lbs (22.9Kg)	58.9 lbs (26.7Kg)	67.9 lbs (30.8Kg)	75.3 lbs (34.2Kg)
Weight (empty):	23.3 lbs (10.6Kg)	29.5 lbs (13.4Kg)	35.7 lbs (16.2Kg)	43.2 lbs (19.6Kg)	51.6 lbs (23.4Kg)	60.6 lbs (27.5Kg)	68.0 lbs (30.8Kg)
Finish:	Gray, wrinkle-finish epoxy powder coat			Gray, wrinkle-finish epoxy coat		Gray, wrinkle-finish epoxy coat	
Environmental/Agency Specifications							
Operating Temperature:	-40 to 158°F (-40 to 70°C)						
Relative Humidity:	up to 95% (non-condensing)						
Agency Approvals:	UL <sup>®</sup> 1778, FCC Part 15 Class A,						

## Accessories/Individual Modules

Model Number	Description	Model Number	Description
SSPTM9xx6120-yy	SSP Transformer Module <i>(xx = output current, yy = battery bus voltage)</i>	SSP-BATPROBE	SSP Battery Thermal Probe
SSP-EM636	SSP Electronics Module, 60Hz 12/24/36VDC battery	SSP-EMCABLE	SSP EM harness, connects to temp battery probe
CTSP-SPL	T/SSP Surge Protector, one ea. for AC input, output with LED indicator	CSEP1-120	Enclosure, SSP, 1 Battery, 120VAC includes cables
SSP-SMD	SSP Embedded DOCSIS2.0 Transponder (Single IP)	CSEP2-120	Enclosure, SSP, 2 Battery, 120VAC includes cables
SSP-SMDD	SSP Embedded DOCSIS2.0 Transponder (Dual IP)	CSTEP3-120	Enclosure, T/SSP, 3 Battery, 120VAC includes cables
SSP-SMDE	SSP Embedded EuroDOCSIS Transponder (Single IP)	SSP-EMCOVER	Covers EM slot when the EM is not installed
SSP-SMH	SSP Embedded HMS Interface <i>(for use with external HMS compatible transponder)</i>	SSP-SMCOVER	Covers SM slot when the SMD/H is not installed
		CT-0W5514A	Conversion Cable to use Myers T/SSP in other brand enclosures

12-2012

