

## DC Power

Below is a list of manufacturers and models supplied by APS. Each power system is configured to meet the requirements of the application. Information provided below is to assist in determining which model is best suited to the application.

Manufacturer	Model	DC Output Voltage	Maximum System Capacity	Web Enabled Controller
Eltek/Delta	LP Power System	48 VDC	10 Amp	No
Eltek/Delta	Micropack Power Systems	12, 24 or 48	20 Amp	Yes
Eltek/Delta	FlatPack S	48 VDC	200 Amp	Yes
Eltek/Delta	Compact Power System	24 or 48 VDC	200 Amp	Yes
Eltek/Delta	Unity Power System	24 or 48 VDC	640 Amp	Yes
Eltek/Delta	Integrated Power System	24 or 48 VDC	600 Amp	Yes
Eltek/Delta	Trilogy	24 or 48 VDC	600 Amp	Yes
Eltek/Delta	Modular Power System	48 VDC	1,200 Amp	Yes
Eltek/Delta	EcoTower Power System	48 VDC	2,400 Amp	Yes
Eltek/Delta	Scalable Power System	48 VDC	10,000 Amp	Yes
Unipower	Sageon Micro	24 or 48 VDC	200 Amp	Yes
Unipower	Sageon II	24 or 48 VDC	600 Amp	Yes
Unipower	Sageon III	48 VDC	1200 Amp	Yes
Unipower	Aspiro 1U	48 VDC	45 Amp	Yes
Unipower	Aspiro 2U	48 VDC	60 Amp	Yes
Unipower	Guardian Access 2U	48 VDC	180 Amp	Yes
Unipower	Guardian Access 3U	48VDC	300 Amp	Yes
Unipower	Guardian Access 5U	48 VDC	480 Amp	Yes
Unipower	Guardian Access M38	48 VDC	600 Amps	Yes
Unipower	Guardian Dual	48 and 24 VDC	250 Amp	Yes
Unipower	Gaurdian Hybrid	48 VDC	400 Amp	Yes
ABB/GE	CPL Series	48 VDC	300 Amp	Yes
ABB/GE	SPS Series	48 VDC	400 Amp	Yes
ABB/GE	CPS series	48 VDC	1000 Amps	Yes
ABB/GE	Infinity Series	24 or 48 VDC	2100 Amps	Yes
ABB/GE	GPS Series	24 or 48 VDC	20,000 Amps	Yes
Alpha	Cordex Series	12, 24 or 48 VDC	125 Amp	Yes
Alpha	CXPS Series	48 VDC	12,000 Amps	Yes

Hindle	AT10 Series	12, 24 or 48 VDC	Yes
Hindle	AT30 Series	12, 24 or 48 VDC	Yes
Hindle	ATEVO Series	12, 24 or 48 VDC	Yes
Vertiv	Netsure 2100	12, 24 or 48 VDC	Yes
Vertiv	Netsure 211	12, 24 or 48 VDC	Yes
Vertiv	Netsure 5100	12, 24 or 48 VDC	Yes
Vertiv	Netsure 7100	12, 24 or 48 VDC	Yes
Vertiv	Netsure 8100DB	12, 24 or 48 VDC	Yes
Vertiv	Netsure Distribution Panels	12, 24 or 48 VDC	
Vertiv	Netsure IPE Rectifiers	12, 24 or 48 VDC	



## Power System Solutions

Custom designed and quoted using components within the model line to meet the customer requirements for the specific application.

AC Input 120 VAC Nominal	AC Input 208/240 VAC Nominal	AC Input 208-480 3-Phase Nominal	Alternative Energy capable Solar/Wind/Generator	Standard Warranty
X	X			1 Year
X Derates	X			1 Year
X Derates	X			1 Year
X Rectifier dependent	X			1 Year
X Rectifier dependent	X		X	1 Year
X Rectifier dependent	X			1 Year
X	X		X	1 Year
X Derates	X			1 Year
X Derates	X	X		1 Year
		X		1 Year
X Derates	X			1 Year
X Derates	X			1 Year
X Derates	X			1 Year
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X Derates	X			1 Year
X	X			1 Year
X Derates	X			1 Year
X Derates	X		X	1 Year
	X	X		1 Year
X	X			1 Year
X Derates	X	X		1 Year

X	X	X		5 Year
X	X	X		5 Year
X Derates	X	X		5 Year



X Derates	X			1 Year
X Derates	X		X	1 Year
X Derates	X	X	X	1 Year
X Derates	X			1 Year
X Derates	X			1 Year
	X			

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## Battery Solution

Below is a list of manufactures and models supplied by APS. Voltages are listed by jar and mu (12, 24 or 48 VDC). Batteries are sized, configured and quoted to meet the customers individual needs. Kits and spill containment systems are available for this solution and will be quoted as required.

Manufacturer	Model	Volts per Jar	AH Capacity	VRLA (Sealed)
C&D	TEL Series	6 and 12 VDC	30-210 AH	X
C&D	High Rate Max Series	6 and 12VDC	91 to 1000 WPC	X
C&D	MSEndur II	2 VDC	295 to 2180 AH	X
C&D	Liberty	2, 4 6, and 12 VDC	25 to 600 AH	X
C&D	Liberty AES	2 VDC	124 to 1834 AH	X
C&D	Libert MSE	2 VDC	100 - 1600 AH	X
C&D	TEL HT	12 VDC	104 to 200	X
C&D	DCU	6 and 2 VDC	25 to 200 AH	
C&D	DJ/DJC-HP	6 VDC	130 to 269 AH	
C&D	JC/JCC-HP	8 VDC	122 to 212 AH	
C&D	KCT	2 VDC	270 to 720 AH	
C&D	LCM-HP	2VDC	842 to 2404 AH	
C&D	LCT/LCT-HP	2 VDC	840 to 2320 AH	
C&D	LCR	2 and 4 VDC	900 to 2320 AH	
C&D	LCY Tele	8 VDC	290 to 660 AH	
C&D	LCZ	2 VDC	2500 AH	
C&D	MCT Series	2 VDC	3000 and 4000 AH	
C&D	XT Series	2, 4 and 8 VDC	857 to 7,147 WPC	
East Penn/Deka	Unigy I	12 VDC	30 to 200 AH	X
East Penn/Deka	Unigy II	2 VDC	91 to 2000	X
East Penn/Deka	Fahrenheit	12VDC	30 to 200 AH	X
East Penn/Deka	Solar	6 and 12 VDC	30 to 225 AH	X
East Penn/Deka	MK SLA Series	4, 6 and 12 VDC	1.2 to 50 AH	X
Energys	Northstar NSB series	12 VDC	40 to 210 AH	X
Energys	Powersafe V Series	2 to 12 VDC	47 to 516 AH	X
Energys	Powersafe SBS series	2 to 12 VDC	7 to 1560 AH	X

Energys

Powersafe DDm Series 2 VDC

105 to 2000 AH

X





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Multiple jars are used to make a battery string of the appropriate voltage (IE: al requirements. Required accessories such as battery racks , trays, accessory ed

VLA (Flooded)	Design Life	Standard Warranty	Discount from MSRP
	10 Years	4 year full, 6 year pro-rata	20%
	10 Years	3 year full	20%
	20 Years	7 year full	20%
	20 Years	2 year full, 8 year pro-rata	20%
	20 Years	5 year full	20%
	20 Years	7 year full	20%
	10 Years	1 year full, 19 year pro-rata	20%
X	20 Years	1 year full, 19 year pro-rata	20%
X	20 Years	3 year full, 17 year pro-rata	20%
X	20 Years	1 year full, 19 year pro-rata	20%
X	20 Years	1 year full, 19 year pro-rata	20%
X	20 Years	1 year full, 19 year pro-rata	20%
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X	20 Years	1 year full, 19 year pro-rata	20%
X	20 Years	1 year full, 19 year pro-rata	20%
X	20 Years	1 year full, 19 year pro-rata	20%
X	20 Years	1 year full, 19 year pro-rata	20%
	10 Years	<100 AH 1 year full 4 year Pro-rata >100 AH 4 year full 6 year Pro Rata	20%
	20 Years	7 year full, no Pro-rata	20%
	10 Years	6 Year full, no Pro-rata	20%
	10 Year	1 year for 8GU1, 8G22NF, 8G34R, 8A	
		2 years for all other models	20%
	10 Year	1 year	20%
	10 Year	Red 4 year full	
		Red HT 5 year full	20%
	10 Year	V 3 year full 7 year Pro-Rata	V-
		FT 4 year Full 6 year Pro-Rata	20%
	10 Year	5 Year Full, 5 Year Pro-Rata	20%

20 Year

7 Year Full

20%



## APS Services

Service	Hourly Rate	Description
Installation	\$150.00/Hr	Installation of DC power systems, Batteries, Battery racks, Battery sp systems. Installation of DC cables. Transfer of any loads from existing power system including hot cuts.
Removal	\$150.00/Hr	Removal and disposal of power systems and batteries
Battery recycling	\$150.00/Hr	Certified Battery recycling through EPA certified smelters of lead-acid
DC Power System design	\$150.00/Hr	APS will design the power system and battery system to meet your needs. APS staff can assist you in identifying your DC power needs and then comprehensive DC power system, including solar, to meet your need available to provide inspections of your system to insure the system power and runtime you require
Consulting/Engineering	\$175.00/Hr	APS can provide annual maintenance contracts to keep your DC system working order. APS is also factory trained by multiple manufacturers power systems and batteries in case there is an issue.
Maintenance and repair	\$150.00/Hr	
Training	\$150.00/Hr	APS can provide on-site training on your power system as well as group DC Power systems and batteries.

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