



## Technical Specification

## HomeGrid Stack'd Series Phi 3.8-M

Technical Specification	HomeGrid Stack'd Series	Phi 3.8-M
Battery Technnology	Lithium Iron Phosphate	Lithium Iron Phosphate
Total Energy [kWh]	9.6 - 38.4	3.8 kWh
Continous Power Output [kW]	9.6 - 15	1.92
Surge [kW]	14.4 - 24 (10 Sec)	4.1 (10 Min)
Nominal DC Voltage [V]	48	51.2
DC Voltage Range [V]	46 - 56	48 - 56
Charge Temperature [F]	32-113	32 - 120
Discharge Temperature [F]	14-140	-4 - 140
Dimensions [WxDxH, Inch]	29 x 15.75 x 25.25 - 56.75	13.5 x 14 x 8
Weight [lbs]	230-800	86
Enclosure Rating	IP55	n/a
Mounting Options	Floor Standing	Custom Mounting/ Add'l Cost
Certificates	UL 1642, UL 1973, UN 38.3, SGIP, CEC, UL 9540, OGP <sub>e</sub>	UN 3480, UN 1973, UL 1642
Scalability [kWh]	15 Units in Parallel 576	12 Units in Parallel 45.6
Communication	CAN/RS485	n/a
Efficiency	>98%	95%



Technical Specification	HomeGrid Stack'd Series	Franklin aPower
Battery Technology	Lithium Iron Phosphate	Lithium Iron Phosphate
Total Energy [kWh]	9.6 - 38.4	13.6
Continuous Power Output [kW]	9.6 - 15	5
Surge [kW]	14.4 - 24 (10 Sec)	10 (10Sec)
Nominal DC Voltage [V]	48	120 V / 240 V 60Hz (AC)
Charge Temp [F]	32-113	"Negative" 4 - 122
Discharge Temp [F]	14-140	"Negative" 4 - 122
Dimensions [WxDxH, Inch]	29 x 15.75 x 25.25 - 56.75	29.5 x 11.4 x 45.3
Weight [lbs]	230 - 800	408
Enclosure Rating	IP55	IP67/Nema 3R
Mounting Options	Floor Standing	Wall Mount or Floor Mount
Certificates	UL 1642, UL 1973, UN 38.3, SGIP, CEC, UL 9540, OGP <sub>e</sub>	UL 9540, UL1741, UL 1741SA, UL 1973, UL 9540A, IEEE 1547, IEEE 1547.1, UN 38.3
Scalability [kWh]	15 Units in Parallel 576	15 units in parallel, 204 kWh
Communication	CAN/RS485	Ethernet/4G/Wi-Fi
Efficiency	>98%	89%





**Technical Specification**

**HomeGrid Stack'd Series    Fortress eVault Max 18.5**

Battery Technnology	Lithium Iron Phosphate	Lithium Iron Phosphate
Total Energy [kWh]	9.6 - 38.4	18.5
Continous Power Output [kW]	9.6 - 15	8.64
Surge [kW]	14.4 - 24 (10 Secs)	12.8 (5 Sec)
Nominal DC Voltage [V]	48	51
DC Voltage Range [V]	46 - 56	44 - 52
Charge Temperature [F]	32 - 113	32 - 120
Discharge Temperature [F]	14 - 140	-4 - 140
Dimensions [WxDxH, Inch]	29 x 15.75 x 25.25 - 56.75	19.2 x 21.3 x 42.2
Weight [lbs]	230 - 800	520
Enclosure Rating	IP55	IP55
Mounting Options	Floor Standing	Floor Standing
Certificates	UL 1642, UL 1973, UN 38.3, SGIP, CEC, UL 9540, OGPe	UL 1642, UL 9540, UI 1973, UN 38.3, UN 3840, SGIP, CEC
Scalability [kWh]	15 units in parallel 576	20 units in parallel 370
Communication	CAN/RS485	CAN/RS485
Efficiency	>98%	>98%





## Technical Specification

### HomeGrid Compact Series

### Fortress eFlex 5.4

Technical Specification	HomeGrid Compact Series	Fortress eFlex 5.4
Battery Technnology	Lithium Iron Phosphate	Lithium Iron Phosphate
Total Energy [kWh]	5.12	5.374
Continous Power Output [kW]	5.12	3
Nominal DC Voltage [V]	51.2	51.2
DC Voltage Range [V]	46 - 56	45 - 56
Charge Temperature [F]	32 - 113	32 - 114
Discharge Temperature [F]	14 - 140	-4 - 131
Dimensions [WxDxH, Inch]	23.6 x 5.3 x 18.9	18 x 23 x 7.3
Weight [lbs]	120	108
Enclosure Rating	IP20	IP65
Mounting Options	Wall Mounted	Wall Mounted or Floor Standing
Certificates	UL 1642, UL 1973, UN 38.3, OGPe	UL 9540, UL 9540A, SGIP, CEC UL 1973, UL 1642
Scalability	76.8 - 15 units	80.6 - 15 units
Communication	CAN/RS485	Canbus, Modbus, Wifi
Efficiency	>98%	>98%



## Technical Specification

## HomeGrid Stack'd Series    Generac-PWRcell EX

Battery Technnology	Lithium Iron Phosphate	Lithium Ion (Nickel-Manganese-Cobalt)
Total Energy [kWh]	9.6 - 38.4	9 - 18
Continous Power Output [kW]	9.6 - 15	6.7 avg, 9 max
Surge [kW]	14.4 - 24 (10 Sec)	12 (2 Sec)
Capacity [Ah]	100 Per Module (200 - 800)	208 - 416
Nominal DC Voltage [V]	48	380
DC Voltage Range [V]	46 - 56	360-420
Charge Temperature [F]	32 - 113	14 - 122
Discharge Temperature [F]	14 - 140	14 - 122
Dimensions [WxDxH, Inch]	29 x 15.75 x 25.25 - 56.75	22 x 10 x 68
Weight [lbs]	230 - 800	282 - 454
Enclosure Rating	IP55	Indoor/Outdoor Options
Mounting Options	Floor Standing	Floor Standing
Certificates	UL 1642, UL 1973, UN 38.3, SGIP, CEC, UL 9540, OGPe	UI 9540, UL 1973, UL 1642, CSA 22.2 #107.1
Scalability [kWh]	15 Units in Parallel 576	2 Units in Parallel 36
Communication	CAN/RS485	n/a
Efficiency	>98%	96.5%

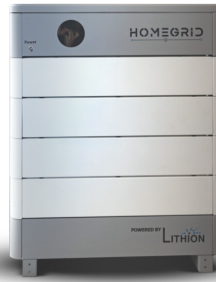


## Technical Specification

## HomeGrid Stack'd Series SolarEdge Energy Bank

Technical Specification	HomeGrid Stack'd Series	SolarEdge Energy Bank
Battery Technnology	Lithium Iron Phosphate	Lithium-Ion
Total Energy [kWh]	9.6 - 38.4	9.7
Continous Power Output [kW]	9.6 - 15	5
Surge [kW]	14.4 - 24 (10 Sec)	7.5 (10 Sec)
Nominal DC Voltage [V]	48	400
DC Voltage Range [V]	46 - 56	350 - 450
Discharge Temperature [F]	14 - 140	14 - 122
Dimensions [WxDxH, Inch]	29 x 15.75 x 25.25 - 56.75	31 x 9.84 x 46.4
Weight [lbs]	230-800	267
Enclosure Rating	IP55	IP55/NEMA 3R
Mounting Options	Floor Standing	Floor or Wall
Certificates	UL 1642, UL 1973, Un 38.3, SGIP, CEC, UL 9540, OGPe	UL 1642, UL 1973, UL 9540, UN 38.3
Scalability [kWh]	15 Units in Parallel 576	3 Units per inverter 29.1
Communication	CAN/RS485	n/a
Efficiency	>98%	>94.5%

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## Technical Specification

## HomeGrid Stack'd Series IQ Battery 10

Technical Specification	HomeGrid Stack'd Series IQ Battery 10	Enphase IQ Battery 10
Battery Technology	Lithium Iron Phosphate	Lithium Iron Phosphate
Total Energy [kWh]	9.6 - 38.4	10.5, 10.08 Usable
Continuous Power Output [kW]	9.6 - 15	3.84
Surge [kW]	14.4 - 24 (10 Secs)	5.9 (10 Sec)
Nominal DC Voltage [V]	48	67.2
DC Voltage Range [V]	46 - 56	61.2 - 73.5
Charge Temperature [F]	32 - 113	32 - 86
Discharge Temperature [F]	14 - 140	5 - 131
Dimensions [WxDxH, Inch]	29 x 15.75 x 40.9	42 x 26 x 12.5
Weight [lbs]	230 - 800	341
Enclosure Rating	IP55	NEMA 3R
Mounting Options	Floor Standing	Wall Mount
Certificates	UL 1642, UL 1973, CEC, SGIP, UN 38.3v, UL 9540, OGP <sub>e</sub>	UL 9540, UN 38.3, UL 9540A, UL 1998, UL 991, UL 1973
Scalability	15 Units in Parallel 576	4 Units in Parallel 42
Communication	CAN/RS485	n/a
Efficiency	>98%	96%





## Technical Specification

## HomeGrid Stack'd Series LG RESU 16H Prime

Technical Specification	HomeGrid Stack'd Series	LG RESU 16H Prime
Battery Technology	Lithium Iron Phosphate	Lithium Ion (Nickel-Manganese-Cobalt)
Total Energy [kWh]	9.6 - 38.4	16
Continuous Power Output [kW]	15	7
Surge [kW]	14.4 - 24 (10 Sec)	11 (10 Sec)
Nominal DC Voltage [V]	48	400
DC Voltage Range [V]	46-56	350-450
Charge Temperature [F]	32 - 113	12 - 122
Discharge Temperature [F]	14 - 140	-4 - 122
Dimensions [WxDxH, Inch]	29 x 15.75 x 25.25 - 56.75	22 x 11 x 43
Weight [lbs]	230 - 800	350
Enclosure Rating	IP55	IP55
Mounting Options	Floor Standing	Floor Standing
Certificates	UL 1642, UL 1973, UN 38.3, SGIP, CEC, UL 9540, OGPe	UL 1642, UL1973, IEC 62619
Scalability [kWh]	15 Units in Parallel 576	2 Units in Parallel 32
Communication	CAN/RS485	CAN/RS485
Efficiency	>98%	>90%

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## Technical Specification

## HomeGrid Stack'd Series Tesla Powerwall 2

Technical Specification	HomeGrid Stack'd Series	Tesla Powerwall 2
Battery Technnology	Lithium Iron Phosphate	Lithium Ion (Nickel-Manganese-Cobalt)
Total Energy [kWh]	9.6 - 38.4	14, 13.5 usable
Continous Power Output [kW]	9.6 - 15	5
Surge [kW]	14.4 - 24 (10 Sec)	7 (10 Sec)
Capacity [Ah]	100 per module (200 - 800)	280
Nominal DC Voltage [V]	48	375
DC Voltage Range [V]	46-56	280-410
Charge Temperature [F]	32 - 113	-4 - 122
Discharge Temperature [F]	14 - 140	-4 - 122
Dimensions [WxDxH, Inch]	29 x 15.75 x 25.25 - 56.75	29.6 x 5.75 x 45.3
Weight [lbs]	230-800	250
Enclosure Rating	IP55	IP56
Mounting Options	Floor Standing	Wall Mount
Certificates	UL 1642, UL 1973, UN 38.3, SGIP, CEC, UL 9540, OGPe	UL 1642, UL 1741, UL 1973, UL 9540, IEEE 1547, UN 38.3, SPIG, CEC
Scalability [kWh]	15 Units in Parallel 576	6 Units in Parallel 84
Communication	CAN/RS485	n/a
Efficiency	>98%	90%



**Storz**  
30A 30A+ 50A 70A 200A

**Technical Specification**

**HomeGrid Stack'd Series**

Technical Specification	HomeGrid Stack'd Series	Storz
Battery Technology	Lithium Iron Phosphate	Lithium Iron Phosphate
Total Energy [kWh]	9.6 - 38.4	5.12 - 20.48
Continuous Power Output [kW]	9.6 - 15	5 - 9
Surge [kW]	14.4 - 24 (10 Sec)	16 (10 Sec)
Nominal DC Voltage [V]	48	48
DC Voltage Range [V]	46 - 56	44 - 56
Charge Temperature [F]	32 - 113	32 - 131
Discharge Temperature [F]	14 - 140	14 - 131
Dimensions [WxDxH, Inch]	29 x 15.75 x 25.25 - 56.75	19.5 x 11 x 37/Cabinet
Weight [lbs]	230-800	229 - 706
Enclosure Rating	IP55	IP55
Mounting Options	Floor Standing	Floor Standing
Certificates	UL 1642, UL 1973, UN 38.3, SGIP, CEC, UL 9540, OGP <sub>e</sub>	UL 1642, UN 38.3, UL 1973, UL 9540, CA-SGIP, CEC, OGP <sub>e</sub>
Scalability [kWh]	15 Units in Parallel 576	14 Units in Parallel 71.68
Communication	CAN/RS485	CAN/RS485
Efficiency	>98%	98%





## Technical Specification

## HomeGrid Stack'd Series Blue Ion HI

Technical Specification	HomeGrid Stack'd Series	Blue Ion HI
Battery Technology	Lithium Iron Phosphate	Lithium Iron Phosphate
Total Energy [kWh]	9.6 - 38.4	8 - 16
Continuous Power Output [kW]	9.6 - 15	8
Surge [kW]	14.4 - 24 (10 Sec)	10.5 (10 Sec)
Nominal DC Voltage [V]	48	48
DC Voltage Range [V]	46 - 56	46 - 56
Charge Temperature [F]	32 - 113	32 - 113
Discharge Temperature [F]	14 - 140	-4 - 122
Dimensions [WxDxH, Inch]	29 x 15.75 x 25.25 - 57.75	17 x 8.75 x 17+
Weight [lbs]	230 - 800	454 - 692
Enclosure Rating	IP55	Indoor - Nema 1
Mounting Options	Floor Standing	Floor Standing
Certificates	UL 1642, UL 1973, UN 38.3, SGIP, CEC, UL 9540, OGP <sub>e</sub>	UL 1642, UN 38.3, UL 1973, UL 9540, CA-SGIP, CEC, OGP <sub>e</sub>
Scalability	15 Units in Parallel 576	14 Units in Parallel 71.68
Communication	CAN/RS485	CAN/RS485
Efficiency	>98%	98%





## Technical Specification

## HomeGrid Stack'd Series BYD LVS Battery Box

Technical Specification	HomeGrid Stack'd Series	BYD LVS Battery Box
Battery Technology	Lithium Iron Phosphate	Lithium Iron Phosphate
Total Energy [kWh]	9.6 - 38.4	4 - 24
Continuous Power Output [kW]	9.6 - 15	3.3 - 12.8
Surge [kW]	14.4 - 24 (10 Sec)	18.4 (5 Sec)
Nominal DC Voltage [V]	48	51.2
DC Voltage Range [V]	46 - 56	40 - 57.6
Charge Temperature [F]	32-113	14 - 122
Discharge Temperature [F]	14 - 140	14 - 122
Dimensions [WxDxH, Inch]	29 x 15.75 x 25.25 - 56.75	25.6 x 11.7 x 20.7 - 66.7
Weight [lbs]	230 - 800	141 - 637
Enclosure Rating	IP55	IP55
Mounting Options	Floor Standing	Floor Standing
Certificates	UL 1642, UL 1973, UN 38.3, SGIP, CEC, UL 9540, OGP	UL 1642, UL 1973, UN 38.3, FCC, CEC, VDE2510-50, IEC62619
Scalability [kWh]	15 Units in Parallel 576	16 Units ( 4 modules each max) 256
Communication	CAN/RS485	CAN/RS485
Efficiency	>98%	95%



Technical Specification	HomeGrid Stack'd Series	NeoVolta	
		NV 14	NV 24
Battery Technology	Lithium Iron Phosphate	Lithium Iron Phosphate	
Total Energy [kWh]	9.6 - 38.4	14.4	24
Continuous Power Output [kW]	9.6 - 15	7.6 Nominal, 8.4 Peak	
Surge [kW]	14.4 - 24 (10 Sec)	9 (10 Sec)	
Nominal DC Voltage [V]	48	48	
DC Voltage Range [V]	46-56	42 - 54	
Charge Temperature [F]	32 - 113	32 - 131	
Discharge Temperature [F]	14 - 140	-4 - 150	
Dimensions [WxDxH, Inch]	29 x 15.75 x 25.25 - 56.75	17 x 8.75 x 17+	
Weight [lbs]	230 - 800	560	280
Enclosure Rating	IP55	Nema 3R	
Mounting Options	Floor Standing	Floor Standing	
Certificates	UL 1642, UL 1973, UN 38.3, SGIP, CEC, UL 9540, OGPe	UL 1642, UN 38.3, UL 1973, UL 9540, CA-SGIP, CEC, OGPe	
Scalability [kWh]	15 Units in Parallel 576	14 Units in Parallel 71.68	
Communication	CAN/RS485	CAN/RS485	
Efficiency	>98%	98%	





## HomeGrid Stack'd Series

## HomeGrid Compact

## SonnenCore

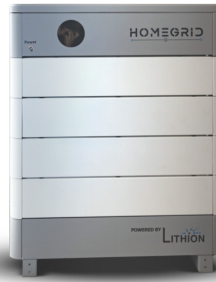
Battery Technnology	Lithium Iron Phosphate	Lithium Iron Phosphate
Total Energy [kWh]	5.12	10
Continous Power Output [kW]	5.12	4.8
Nominal DC Voltage [V]	51.2	102
DC Voltage Range [V]	46 - 56	80 - 115
Charge Temperature [F]	32 - 113	14 - 122
Discharge Temperature [F]	14 - 140	14 - 122
Dimensions [WxDxH, Inch]	23.6 x 5.3 x 18.9	27 x 11 x 68 - 73
Weight [lbs]	128	~348
Enclosure Rating	IP20	Type 12
Mounting Options	Wall Mounted	Floor Standing
Certificates	UL 1642, UL 1973, UN 38.3, OGPe	UL 1741, UL 1741SA, UL 9540 UN 38.3, UL 1973
Scalability [kWh]	76.8 - 15 units	n/a
Communication	CAN/RS485	Ethernet
Efficiency	>98%	>85%

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Technical Specification	HomeGrid Stack'd Series	Sonnen Eco 14-20
Battery Technology	Lithium Iron Phosphate	Lithium Iron Phosphate
Total Energy [kWh]	9.6 - 38.4	5 - 20
Continuous Power Output [kW]	9.6 - 15	3 - 8
Surge [kW]	14.4 - 24 (10 Sec)	6 - 12 (5 Sec)
Nominal DC Voltage [V]	48	48
Dimensions [WxDxH, Inch]	29 x 15.75 x 25.25 - 56.75	26 x 19 x 57 - 84
Weight [lbs]	230-800	394 - 830
Enclosure Rating	IP55	NEMA 12
Mounting Options	Floor Standing	Floor Standing
Certificates	UL 1642, UL 1973, UN 38.3, SGIP, CEC, UL 9540, OGP <sub>e</sub>	UL 1973, UL 9540, UL 1741
Scalability [kWh]	15 Units in Parallel 576	n/a
Communication	CAN/RS485	Ethernet
Efficiency	>98%	>81.6%





## Technical Specification

## HomeGrid Stack'd Series    Sonnen EcoLinx

Battery Technnology	Lithium Iron Phosphate	Lithium Iron Phosphate
Total Energy [kWh]	9.6 - 38.4	12 - 30
Continous Power Output [kW]	9.6 - 15	8 off grid, 7 grid tied
Surge [kW]	14.4 - 24 (10 Sec)	12 (5 Sec)
Nominal DC Voltage [V]	48	48
Dimensions [WxDxH, Inch]	29 x 15.75 x 25.25 - 56.75	52 x 19 x 61
Weight [lbs]	230 - 800	724 - 1,253
Enclosure Rating	IP55	NEMA 12
Mounting Options	Floor Standing	Floor Standing
Certificates	UL 1642, UL 1973, UN 38.3, SGIP, CEC, UI 9540, OGPe	UL 9540, UL 1973, UL 1008, UL 489
Scalibility [kWh]	15 Units in Parallel 576	n/a
Communication	CAN/RS485	Ethernet, SunSpec Alliance
Efficiency	>98%	>81.6%

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## Technical Specification

## HomeGrid Stack'd Series    Sonnen EcoLinX

Technical Specification	HomeGrid Stack'd Series	Sonnen EcoLinX
Battery Technnology	Lithium Iron Phosphate	Lithium Iron Phosphate
Total Energy [kWh]	9.6 - 38.4	12 - 30
Continous Power Output [kW]	9.6 - 15	8 off grid, 7 grid tied
Surge [kW]	14.4 - 24 (10 Sec)	12 (5 Sec)
Nominal DC Voltage [V]	48	48
Dimensions [WxDxH, Inch]	29 x 15.75 x 25.25 - 56.75	52 x 19 x 61
Weight [lbs]	230 - 800	724 - 1,253
Enclosure Rating	IP55	NEMA 12
Mounting Options	Floor Standing	Floor Standing
Certificates	UL 1642, UL 1973, UN 38.3, SGIP, CEC, UL 9540, OGP <sub>e</sub>	UL 9540, UL 1973, UL 1008, UL 489
Scalability [kWh]	15 Units in Parallel 576	n/a
Communication	CAN/RS485	Ethernet
Efficiency	>98%	>81.6%

