



Residential storage system

UNIVERSAL 10|4

The UNIVERSAL 10|4 is FIMER's US residential home storage solution. Providing 10 kWh of battery storage and a 4 kVA inverter for on and off-grid applications.

10 kWh / 4 kVA



Technical data and types

Inverter specifications

Output power (continuous) at 25°C	3800 W
Output power (30 min) at 25°C	4400 W
Output power (5 sec) at 25°C	7000 W
Peak current	41 A
Output frequency	50 / 60 Hz selectable
Output voltage	120 / 240 Vac
Output wave form	True sine wave
Optimal efficiency	94%
Idle consumption search mode	<11 W
Input DC voltage range	40 - 68 Vdc
AC connections	Single / Split phase

Electrical specifications / Charger

Output current	45 A
Nominal output voltage	48 Vdc
Output voltage range	24 - 64 Vdc
Charge control	2 or 3 stage
Charge temperature compensation	Yes - BTS included
Optimal efficiency	92%
AC input power factor	> 0.98
Input current	12 A
Input AC voltage	120 / 240 Vac split phase
Input AC voltage range line to neutral	95 - 135 Vac single phase 170 - 270 Vac three phase
Dead battery charge	Yes

Regulatory approvals

Safety	c(CSA) us mark CSA C22.2, No. 107.1-01 UL1741 Ed.2
EMC	FCC Part 15 Class B

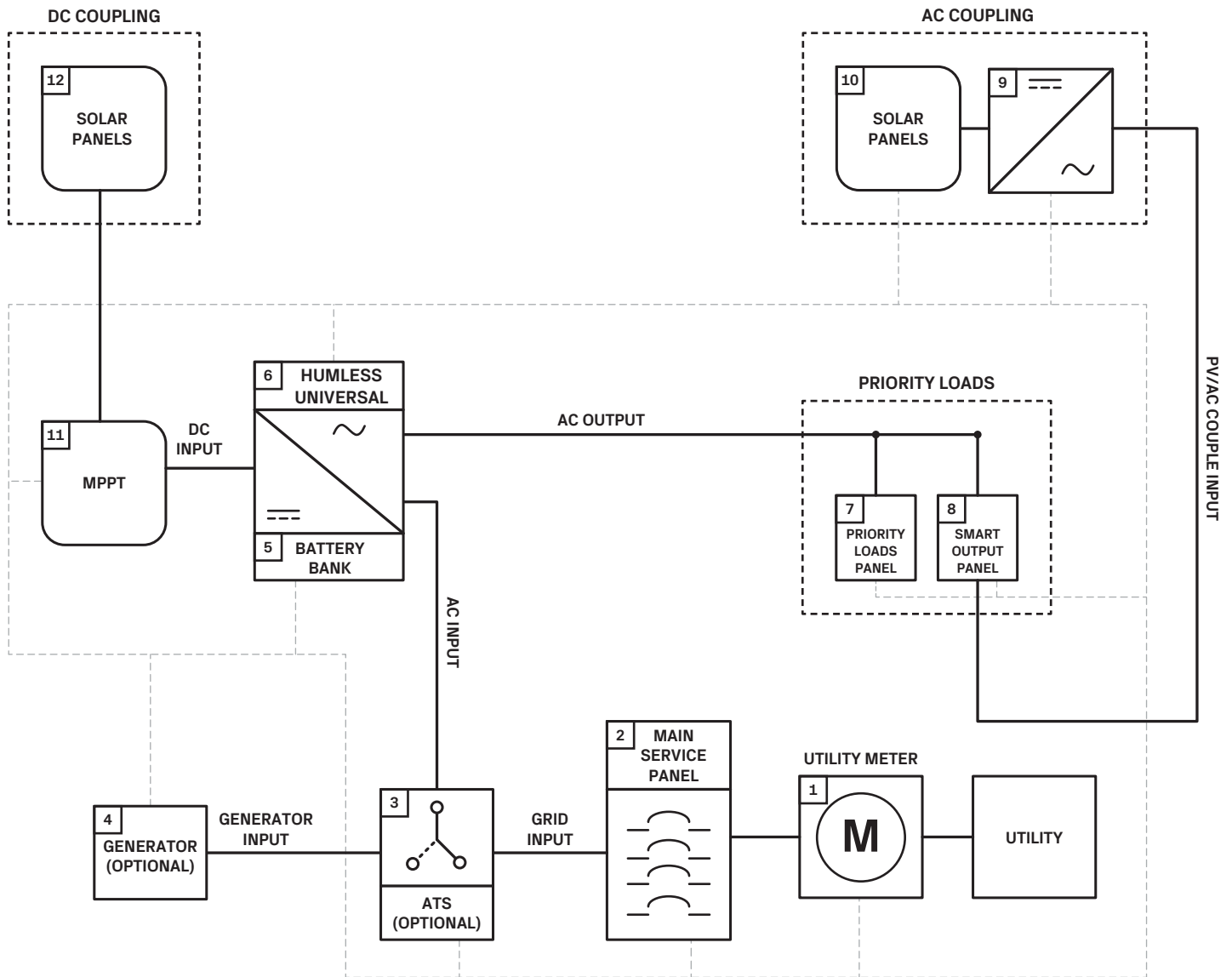
Charge controller

Nominal Battery Voltage	12, 24, 36, 48, 60 V
Max. PV Array Voltage (operating)	140 V
Max. PV Array Open-Circuit Voltage	150 V (including temperature correction factor)

General specifications

Battery	10 kWh LiFePO ₄ (LFP)
Stackable	Max 2 units
Tare loss	27 W
Compatible battery types	LFP, FLA, Gel, AGM, Custom
Transfer relay rating	30 A
Transfer time	(AC to inverter and inverter to AC) <1 cycle (16.7 ms)
Optimal operating temperature range	-10°C to 45°C / 14°F to 113°F
Storage ambient temperature range	-40°C to 52°C / -40°F to 125°F
Humidity Operation / storage	< 95% RH, non condensing
Ingress protection	Indoor only, IP20
System network and remote monitoring	Available
Weight (Approximately)	400 lbs
Dimensions	32" (W) x 40" (H) x 13" (D)

Basic line diagram



Note
Pairs with the FIMER DM-PLUS-3.8 or 5 kW inverter for AC coupling or retrofit into any existing system.



For more information please contact your local FIMER representative or visit:

fimer.com

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