



CENTRAL SERVICE UNIT 40

(CSU 40)

The CSU was designed to provide power generation, water filtration, communications and monitoring/ Security capabilities **Humanity Thru Housing** is developing a network of **Living Hubs** designed to provide stable, resilient, and self-sustaining communities for displaced individuals and families. Our approach goes far beyond traditional shelter models. It is a fully integrated **operating ecosystem**, engineered with modular design principles, systems-level thinking, and long-range maintenance planning. The CSU is foundation for the Living Hubs —balancing energy loads, optimizing water systems, and supporting community life through infrastructure that is both durable and adaptable.

Core Components of a Standard Living Hub Include:

- **Central Service Unit (CSU)** providing: An Engineered Environment
 - Power generation for the entire complex
 - Water filtration
 - Black-water collection and treatment
 - Internet service
 - Water distribution
 - Security

These hubs are designed for self-sustainability, workforce development, and community stabilization—ultimately creating pathways from crisis to independence.



Humanity Thru Housing
Living Hub



SPECIFICATIONS:

Power:

1. 20 kw solar panels
2. 20 kw battery storage
3. 12kw Diesel power generator

Water:

1. 6000 gal double lined freshwater bladder
2. 6000 gal double lined potable water bladder (irrigation and cleaning).

Waste water management:

1. 10,000 gal double lined black water containment system
2. 10,000 gal double lined grey water containment system
3. Parker Hanifan desalination and grey water purifier.

Internet Service: High speed Broad band with tv provider.

Security: Security Camera surveillance and entrance system.



Humanity Thru Housing
Living Hub



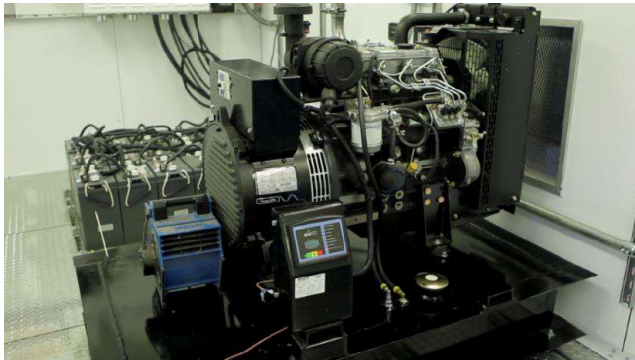
20 Kw power system



INVERT POWER GENERATION SYSTEM



Grey Water filtration system



12 kw Perkins Diesel Generator



Humanity Thru Housing
Living Hub

Central Service Unit - 40 (CSU-40)

WALL PANELS	DESCRIPTION	QTY	UOM	Cost/Piece	Price as shown	# of Units Purchased
						1
WALL PANELS						
W4390-2	Wall Panel 43"X90"X2"	15	each	\$ 335.00	\$ 5,025.00	\$ 5,025.00
W2490-2	Wall Panel 24"X90"X2"		each	\$ 245.00	\$ -	\$ -
W8690-2wg	Wall Grate Panel 86"X90"	3	each	\$ 439.00	\$ 1,317.00	\$ 1,317.00
DOOR PANEL						
W8690-2-7280	Double Doors 36" X 80"	1	each	\$789.00	\$ 789.00	\$ 789.00
W4390-2-3680	Single Door 36"X80"	1	each	\$589.00		
ROOF PANEL						
R4390-2	Roof Panel 43"X90"X2"	9	each	\$ 365.00	\$ 3,285.00	\$ 3,285.00
R4590-2	Roof Panel 45"X90"X2"	2	each	\$ 385.00	\$ 770.00	\$ 770.00
CORNER CONNECTS						
CR-90-2	Corner Connect 90"	4	each	\$ 64.00	\$ 256.00	\$ 256.00
Floor Panels						
F4390-4		8	each	\$ 419.00	\$ 3,352.00	\$ 3,352.00
F4590-4		2	each	\$ 449.00	\$ 898.00	\$ 898.00
Solar Panel Deployment System						
8X18-Rack System		3	each	\$ 640.00	\$ 1,920.00	\$ 1,920.00
Rack Deployment System		1	each	\$ 3,445.00	\$ 3,445.00	\$ 3,445.00
Trailer						
STTrailer840	Steel Trailer 8'X40'	1	each	\$12,995.00	\$ 12,995.00	\$ 12,995.00
Power System						
Inverter System	Inverter System 35kW	2	each	\$16,890.00	\$ 33,780.00	\$ 33,780.00
Battery System	8- 12-volt AGM Batteries	3	each	\$ 4,750.00	\$ 14,250.00	\$ 14,250.00
Solar Panels	240W Solar World Panels	18	each	\$ 446.40	\$ 8,035.20	\$ 8,035.20
GenSet	22kW Generators	2	each	\$13,649.00	\$ 27,298.00	\$ 27,298.00
Monitoring & Communication System						
Computer		1	each	\$ 1,200.00	\$ 1,200.00	\$ 1,200.00
Rack System		1	each	\$ 394.00	\$ 394.00	\$ 394.00
WIND TURBINES						
HETER-PM		2	each	\$ 6,400.00	\$ 12,800.00	\$ 12,800.00
WATER FILTRATION						
Village Marine	50GT5 - 500 gallon/hour	1	each	\$11,455.00	\$ 11,455.00	\$ 11,455.00
WATER PURIFICATION						
WGS-100	2,000 gallon/day-Grey Wate	1	each	\$11,100.00	\$ 11,100.00	\$ 11,100.00
BLACK WATER						
Black Water System	10,000 gallon holding tank	1	each	\$18,400.00	\$ 18,400.00	\$ 18,400.00

\$ 172,764.20 \$ 172,764.20