

BOAT NAME	OWNER	LOCATION	HULL	LENGTH	MAX. BEAM	PV	MOTOR	SBI	EBN REFERENCE
						POWER	POWER		
						(watts peak)	(watts - see note 1)	(see note 2)	(see note 3)
SECTION 1: PASSENGER & COMMERCIAL BOATS									
Bata Greine	(see note 5)	Loch Lomond	cat	43ft (13.1m)	10ft 9in (3.3m)	1158	3200	1.1	20:2 (Summer 2007)
Frolic 21 Solar	Creative Marine	Norfolk	launch	21ft (6.4m)	5ft 9in (1.8m)	576	1000	1.7	18.4 (Winter 2005/06)
Loon	Tamarack Lake Boat Company	Ontario, Canada	pontoon	20 ft (6.1m)	8ft (2.5m)	738	1200	1.8	19:1 (Spring 2006)
New Era	Rolf Schmidt	Caledonian Canal	canal boat	24ft (7.4m)	7ft 3in (2.2m)	480	1080	1.3	
Ra	Norfolk Broads Authority	Norfolk Broads	cat	29ft (8.8m)	8ft 10in (2.7m)	1550	1700	2.7	14:1 (Spring 2001)
Ransome	Coniston Ferry Services	Lake District	launch	40ft (12.2m)	10ft 3in (3.1m)	2280	2400	2.8	18:2 (Summer 2005)
Ruskin	Coniston Ferry Services	Lake District	launch	40ft (12.2m)	9ft 6in (2.9m)	1140	2500	1.4	18:2 (Summer 2005)
Solar Heritage	Chichester Harbour Conservancy	Chichester	cat	46ft (14m)	22ft (6.6m)	2000	3800	1.6	17:3 (Autumn 2004)
Solarshuttle	Bluebird Boats	Serpentine, London	cat	47ft (14.3m)	11ft 6in (3.5m)	1900	3500	1.6	19:3 (Autumn 2006)
Sun21 (see note 6)	MW-Line	Switzerland	cat	46ft (14m)	22ft (6.6m)	10000	3800	7.9	20:1 (Spring 2007)
SECTION 2: PRIVATE BOATS									
Annie	Les Fidler	East Anglia	launch	27ft (8.2m)	6ft 10in (2.1m)	450	900	1.5	17:4 (Winter 2004/05)
Cedric's Canoe	Cedric Lynch	various	canoe	16ft 5in (5.0m)	3ft 3in (1.0m)	200	140	4.3	16:3 (Autumn 2003)
Collinda	Malcolm Moss	mainly Thames	cat	22ft (6.7m)	7ft 6in (2.3m)	1400	1320	2.8	10:4 (Winter 1997/98)
Corvelia	Mike Manisty	Thames	launch	11ft 9in (3.6m)	4ft 7in (1.4m)	320	600	1.6	
Kyknos	Andrew Spyrou	France/UK	cat	10ft 3in (3.1m)	5ft 3in (1.6m)	150	340	1.3	
Solar Flair	Paul Lynn	Thames	cat	21ft (6.4m)	5ft (1.5m)	300	550	1.6	14:3 (Autumn 2001)
Solar Flair II	Paul Lynn	Somerset	cat	13ft 6in (4.0m)	3ft 9in (1.2m)	150	220	2	19:1 (Spring 2006)
Solar Flair III	Paul Lynn & Tony Rymell	Somerset	cat	21ft (6.4m)	5ft 9in (1.8m)	600	430	4.2	21:1 (Spring 2008)
Solaris	Chris Evans	Thames	cat barge	60ft (18.3m)	13ft (4.0m)	2400	6000	1.2	20:1 (Spring 2007)
Solcat 3	Theo Schmidt	Switzerland/UK	cat	16ft 5in (5.0m)	5ft 11in (1.8m)	320	240	4	
Somerset Dream	Tony Rymell	Somerset	canal boat	12ft 3in (3.7m)	5ft 2in (1.6m)	300	300	3	20:3 (Autumn 2007)
Terrapin	David Williams	Norfolk Broads	launch	24ft (7.3m)	5ft (1.5m)	210	600	1.1	17:1 (Spring 2004)
Unity (see note 4)	Adrian Softley	Kennet & Avon Canal	canal barge	68ft (20.7m)	13ft (4.0m)	1200	6000	0.6	18:2 (Summer 2005)

Note 1: Estimated motor input power to achieve 5 mph (8 kph) on rivers and lakes; 4 mph (6.4 kph) on canals.

Note 2: *Solar Boat Index (SBI)* as defined in Technical Note in *Electric Boat News* 18:4 (Winter 2005/06)

Note 3: References are to articles/news reports published in *Electric Boat News*

Note 4: Canal barge "Unity" is widebeam and rarely exceeds 3mph due to restricted canal width. At this speed the corresponding SBI increases to about 1.0

Note 5: Owned by Loch Lomond & The Trossachs National Park Authority

Note 6: Completed transatlantic voyage in 2007, see www.transatlantic21.org, but here classed as a river/lake boat

General Note: All figures are approximate. Please report any errors or concerns to :- paul.lynn@eboat.org.uk

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