

Solardaten: Statistische Werte pro Tag



März 2012

| Datum | Temp. Sensor-Dach °C | | | | Boiler-unten °C | | | Boiler-oben °C | | | Ladezeit unten | | Ladezeit oben | | Kühlen | Un- genutzt | |
|--------------------------|----------------------|-------------|-------------|-------------|-----------------|-------------|-------------|----------------|-------------|------------|-------------------|-------------------|---------------|-------------|----------------|----------------|-------------|
| | Min | Max | Diff | Ø | Min | Max | Diff | Min | Max | Diff | pro Tag / Max / Ø | pro Tag / Max / Ø | | | | | |
| Donnerstag, 1. März 2012 | 0.3 | 92.1 | 91.8 | 31.0 | 55.4 | 77.2 | 21.8 | 71.2 | 80.0 | 8.8 | 6.8 | 4.0 | | | | | |
| Freitag, 2. März 2012 | -1.1 | 93.5 | 94.6 | 30.9 | 52.8 | 79.0 | 26.2 | 73.0 | 80.0 | 7 | 6.5 | 3.0 | | 0.3 | | | |
| Spitzenwerte | -1.1 | 93.5 | 94.6 | 31.0 | 52.8 | 79.0 | 26.2 | 71.2 | 80.0 | 8.8 | 13.3h | 6.8h | 6.7h | 7.0h | 4h 3.5h | 0.0h | 0.3h |

Solardaten: Statistische Werte pro Tag



Februar 2012

| Datum | Temp. Sensor-Dach °C | | | | Boiler-unten °C | | | Boiler-oben °C | | | Ladezeit unten | | | Ladezeit oben | | | Kühlen | Un- genutzt | |
|------------------------------|----------------------|-------------|-------------|-------------|-----------------|-------------|-------------|----------------|-------------|-------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------|----------------|-----|
| | Min | Max | Diff | Ø | Min | Max | Diff | Min | Max | Diff | pro Tag / Max / Ø | pro Tag / Max / Ø | pro Tag / Max / Ø | pro Tag / Max / Ø | pro Tag / Max / Ø | pro Tag / Max / Ø | h | h | |
| Mittwoch, 1. Februar 2012 | -4.5 | -0.1 | 4.4 | -2.5 | 21.8 | 22.9 | 1.1 | 60.2 | 69.2 | 9 | | | | | | | | | |
| Donnerstag, 2. Februar 2012 | -7.9 | -4.4 | 3.5 | -5.7 | 17.5 | 21.8 | 4.3 | 56.6 | 69.5 | 12.9 | | | | | | | | | |
| Freitag, 3. Februar 2012 | -12.7 | 1.5 | 14.2 | -7.3 | 18.3 | 19.3 | 1 | 60.9 | 69.2 | 8.3 | | | | | | | | | |
| Samstag, 4. Februar 2012 | -18.1 | 1.5 | 19.6 | -10.6 | 19.3 | 19.9 | 0.6 | 66.0 | 69.8 | 3.8 | | | | | | | | | |
| Sonntag, 5. Februar 2012 | -20.2 | 38.7 | 58.9 | -4.6 | 17.4 | 32.3 | 14.9 | 67.2 | 71.5 | 4.3 | 4.3 | | | | | | | 0.3 | |
| Montag, 6. Februar 2012 | -22.8 | 61.7 | 84.5 | 1.9 | 26.8 | 52.1 | 25.3 | 60.6 | 69.0 | 8.4 | 5.5 | | | | | | | 0.3 | |
| Dienstag, 7. Februar 2012 | -21.7 | 49.6 | 71.3 | -2.6 | 33.9 | 40.1 | 6.2 | 61.3 | 70.2 | 8.90 | 0.5 | | | | | | | 0.7 | |
| Mittwoch, 8. Februar 2012 | -16.8 | 59.5 | 76.3 | 3.3 | 32.4 | 46.2 | 13.8 | 60.1 | 68.7 | 8.6 | 2.5 | | | | | | | | |
| Donnerstag, 9. Februar 2012 | -18.1 | 68.7 | 86.8 | 5.4 | 36.8 | 54.2 | 17.4 | 61.1 | 69.7 | 8.6 | 3.3 | | 0.2 | | | | | | |
| Freitag, 10. Februar 2012 | -13.8 | 26.6 | 40.4 | -0.9 | 38.4 | 48.8 | 10.4 | 61.5 | 69.7 | 8.2 | | | | | | | | | |
| Samstag, 11. Februar 2012 | -10.3 | 64.5 | 74.8 | 4.2 | 35.7 | 53.2 | 17.5 | 63.7 | 70.1 | 6.4 | 2.7 | | | | | | | | |
| Sonntag, 12. Februar 2012 | -20.3 | 70.4 | 90.7 | 5.2 | 31.0 | 59.9 | 28.9 | 62.5 | 69.8 | 7.3 | 4.3 | | 0.2 | | | | | | 0.5 |
| Montag, 13. Februar 2012 | -19.7 | 72.0 | 91.7 | 1.9 | 43.9 | 52.5 | 8.6 | 57.9 | 64.7 | 6.8 | 0.7 | | 0.2 | | | | | | 0.3 |
| Dienstag, 14. Februar 2012 | -4.5 | 51.7 | 56.2 | 8.1 | 37.3 | 45.7 | 8.40 | 57.7 | 70.4 | 12.7 | 2.0 | | | | | | | | 0.3 |
| Mittwoch, 15. Februar 2012 | 0.2 | 7.0 | 6.8 | 2.0 | 33.8 | 39.3 | 5.5 | 60.1 | 68.3 | 8.2 | | | | | | | | | |
| Donnerstag, 16. Februar 2012 | -5.2 | 49.8 | 55.0 | 9.7 | 28.4 | 38.5 | 10.1 | 59.2 | 68.2 | 9 | 2.0 | | | | | | | | 0.8 |
| Freitag, 17. Februar 2012 | -2.5 | 49.4 | 51.9 | 13.2 | 32.8 | 42.8 | 10 | 58.6 | 68.7 | 10.1 | 3.3 | | | | | | | | 1.5 |
| Samstag, 18. Februar 2012 | 0.9 | 81.5 | 80.6 | 24.0 | 35.1 | 67.2 | 32.1 | 65.2 | 69.2 | 4 | 6.2 | | 4.0 | | | | | | 0.2 |
| Sonntag, 19. Februar 2012 | -5.6 | 69.7 | 75.3 | 12.6 | 50.6 | 58.9 | 8.3 | 60.6 | 66.2 | 5.6 | 1.8 | | 1.2 | | | | | | |
| Montag, 20. Februar 2012 | -8.9 | 85.5 | 94.4 | 13.9 | 45.0 | 55.4 | 10.4 | 58.0 | 60.6 | 2.6 | 3.2 | | 2.7 | | | | | | 0.3 |
| Dienstag, 21. Februar 2012 | -12.6 | 78.9 | 91.5 | 17.1 | 44.6 | 62.4 | 17.8 | 55.7 | 70.5 | 14.8 | 6.5 | | 5.7 | | | | | | |
| Mittwoch, 22. Februar 2012 | -10.4 | 85.4 | 95.8 | 20.7 | 48.5 | 69.7 | 21.2 | 66.7 | 75.2 | 8.5 | 6.5 | | 5.0 | | | | | | |
| Donnerstag, 23. Februar 2012 | -5.8 | 68.0 | 73.8 | 14.4 | 49.4 | 61.2 | 11.8 | 64.1 | 71.5 | 7.40 | 0.3 | | | | | | | | 0.2 |
| Freitag, 24. Februar 2012 | -1.6 | 82.8 | 84.4 | 27.9 | 43.2 | 66.3 | 23.1 | 61.2 | 72.4 | 11.2 | 6.5 | | 5.3 | | | | | | 0.5 |
| Samstag, 25. Februar 2012 | 5.5 | 69.4 | 63.9 | 18.0 | 52.6 | 60.6 | 8 | 62.2 | 69.0 | 6.8 | 1.2 | | 0.2 | | | | | | 0.2 |
| Sonntag, 26. Februar 2012 | -1.8 | 63.1 | 64.9 | 14.1 | 43.4 | 52.6 | 9.2 | 56.9 | 70.4 | 13.5 | 0.3 | | 0.2 | | | | | | |
| Montag, 27. Februar 2012 | -6.7 | 82.7 | 89.4 | 20.9 | 32.2 | 63.2 | 31 | 65.7 | 70.5 | 4.8 | 6.7 | | 3.7 | | | | | | 0.2 |
| Dienstag, 28. Februar 2012 | -6.1 | 89.3 | 95.4 | 25.0 | 51.9 | 70.1 | 18.2 | 66.9 | 76.2 | 9.3 | 6.2 | | 5.0 | | | | | | 0.2 |
| Mittwoch, 29. Februar 2012 | -3.1 | 89.7 | 92.8 | 27.9 | 46.6 | 73.0 | 26.4 | 68.5 | 78.5 | 10 | 6.8 | | 5.3 | | | | | | |
| Spitzenwerte | -22.8 | 89.7 | 95.8 | -2.5 | 17.4 | 73.0 | 32.1 | 55.7 | 78.5 | 14.8 | 83.3 h | 6.8 h | 2.9h | 38.7h | 5.7h | 1.3h | 0.0h | 6.5h | |

Solardaten: Statistische Werte pro Tag



Januar 2012

| Datum | Temp. Sensor-Dach °C | | | | Boiler-unten °C | | | Boiler-oben °C | | | Ladezeit unten pro Tag / Max / Ø | | | Ladezeit oben pro Tag / Max / Ø | | | Kühlen | Un- genutzt |
|-----------------------------|----------------------|-------------|-------------|-------------|-----------------|-------------|-----------|----------------|-------------|-------------|----------------------------------|--------------|-------------|---------------------------------|-------------|-------------|-------------|----------------|
| | Min | Max | Diff | Ø | Min | Max | Diff | Min | Max | Diff | | | | | | | | |
| Sonntag, 1. Januar 2012 | 6.3 | 49.8 | 43.5 | 16.9 | 24.5 | 38.6 | 14.1 | 63.2 | 69.4 | 6.2 | 2.2 | | | | | | 2.5 | |
| Montag, 2. Januar 2012 | 2.1 | 20.7 | 18.6 | 9.2 | 31.2 | 34.1 | 2.9 | 60.7 | 68.3 | 7.6 | | | | | | | | |
| Dienstag, 3. Januar 2012 | -2.8 | 63.7 | 66.5 | 15.1 | 28.5 | 50.1 | 21.6 | 59.7 | 68.7 | 9 | 3.2 | | | | | | 0.5 | |
| Mittwoch, 4. Januar 2012 | 0.4 | 66.5 | 66.1 | 13.8 | 42.0 | 48.1 | 6.1 | 61.1 | 69.6 | 8.5 | 1.2 | | 0.2 | | | | 0.3 | |
| Donnerstag, 5. Januar 2012 | 2.1 | 39.0 | 36.9 | 8.3 | 35.9 | 42.8 | 6.9 | 62.1 | 70.2 | 8.1 | | | | | | | | |
| Freitag, 6. Januar 2012 | 1.3 | 24.9 | 23.6 | 5.0 | 30.3 | 35.9 | 5.6 | 60.3 | 68.9 | 8.60 | | | | | | | | |
| Samstag, 7. Januar 2012 | -4.2 | 13.9 | 18.1 | 4.6 | 26.7 | 30.4 | 3.7 | 64.4 | 68.5 | 4.1 | | | | | | | | |
| Sonntag, 8. Januar 2012 | 3.1 | 20.0 | 16.9 | 6.6 | 23.1 | 27.0 | 3.9 | 65.0 | 69.0 | 4 | | | | | | | | |
| Montag, 9. Januar 2012 | 1.1 | 40.2 | 39.1 | 9.9 | 22.8 | 31.6 | 8.8 | 60.6 | 68.8 | 8.2 | 1.2 | | | | | | 1.8 | |
| Dienstag, 10. Januar 2012 | -1.3 | 55.3 | 56.6 | 14.3 | 27.8 | 43.8 | 16 | 57.8 | 67.7 | 9.90 | 4.2 | | | | | | 1.3 | |
| Mittwoch, 11. Januar 2012 | -3.0 | 58.4 | 61.4 | 9.7 | 35.1 | 44.0 | 8.9 | 60.5 | 69.0 | 8.5 | 1.2 | | | | | | 0.5 | |
| Donnerstag, 12. Januar 2012 | -7.9 | 68.0 | 75.9 | 13.9 | 36.0 | 58.4 | 22.4 | 61.5 | 70.7 | 9.2 | 4.8 | | 2.2 | | | | 0.2 | |
| Freitag, 13. Januar 2012 | -6.5 | 48.7 | 55.2 | 6.2 | 40.9 | 51.9 | 11 | 62.2 | 70.7 | 8.5 | 0.2 | | | | | | 0.2 | |
| Samstag, 14. Januar 2012 | -10.0 | 71.1 | 81.1 | 12.2 | 39.2 | 62.4 | 23.2 | 59.9 | 69.7 | 9.8 | 4.7 | | 1.3 | | | | 0.2 | |
| Sonntag, 15. Januar 2012 | -9.3 | 72.0 | 81.3 | 12.4 | 49.0 | 61.5 | 12.5 | 61.5 | 65.0 | 3.5 | 4.7 | | 3.8 | | | | 0.2 | |
| Montag, 16. Januar 2012 | -9.5 | 71.0 | 80.5 | 12.2 | 43.7 | 59.7 | 16 | 59.4 | 63.5 | 4.1 | 5.0 | | 4.2 | | | | | |
| Dienstag, 17. Januar 2012 | -11.4 | 68.2 | 79.6 | 10.6 | 34.0 | 57.3 | 23.3 | 57.7 | 61.0 | 3.3 | 5.0 | | 3.3 | | | | 0.2 | |
| Mittwoch, 18. Januar 2012 | -10.3 | 69.2 | 79.5 | 12.5 | 46.5 | 56.9 | 10.4 | 56.0 | 67.5 | 11.5 | 5.2 | | 4.5 | | | | | |
| Donnerstag, 19. Januar 2012 | -1.9 | 30.6 | 32.5 | 9.1 | 36.0 | 52.6 | 16.6 | 62.0 | 70.7 | 8.7 | | | | | | | | |
| Freitag, 20. Januar 2012 | 3.5 | 42.3 | 38.8 | 9.6 | 33.1 | 38.2 | 5.1 | 61.5 | 70.0 | 8.5 | 0.5 | | | | | | 0.5 | |
| Samstag, 21. Januar 2012 | 5.1 | 36.1 | 31.0 | 12.6 | 31.6 | 35.5 | 3.9 | 63.8 | 69.5 | 5.7 | | | | | | | 0.5 | |
| Sonntag, 22. Januar 2012 | 4.9 | 38.0 | 33.1 | 10.6 | 24.9 | 31.6 | 6.7 | 65.5 | 69.4 | 3.90 | 0.7 | | | | | | | |
| Montag, 23. Januar 2012 | 4.5 | 38.2 | 33.7 | 11.3 | 27.8 | 30.8 | 3 | 59.6 | 68.2 | 8.6 | 0.5 | | | | | | 0.8 | |
| Dienstag, 24. Januar 2012 | 1.1 | 67.0 | 65.9 | 13.7 | 28.1 | 52.1 | 24 | 60.7 | 70.0 | 9.3 | 3.2 | | | | | | 0.3 | |
| Mittwoch, 25. Januar 2012 | 1.4 | 51.5 | 50.1 | 11.1 | 31.8 | 47.2 | 15.4 | 59.8 | 69.4 | 9.60 | 1.2 | | | | | | 0.5 | |
| Donnerstag, 26. Januar 2012 | 3.1 | 30.9 | 27.8 | 9.0 | 28.8 | 32.0 | 3.2 | 60.8 | 69.2 | 8.40 | | | | | | | 0.8 | |
| Freitag, 27. Januar 2012 | 2.4 | 16.8 | 14.4 | 6.4 | 25.7 | 28.8 | 3.1 | 58.7 | 67.6 | 8.9 | | | | | | | | |
| Samstag, 28. Januar 2012 | 1.2 | 36.2 | 35.0 | 7.6 | 25.7 | 32.3 | 6.6 | 64.7 | 70.0 | 5.3 | 1.8 | | | | | | 0.3 | |
| Sonntag, 29. Januar 2012 | -0.1 | 2.4 | 2.5 | 1.1 | 25.5 | 26.9 | 1.4 | 66.1 | 69.2 | 3.10 | | | | | | | | |
| Montag, 30. Januar 2012 | -0.8 | 4.8 | 5.6 | 1.1 | 25.4 | 25.8 | 0.40 | 61.0 | 69.0 | 8 | | | | | | | | |
| Dienstag, 31. Januar 2012 | -1.8 | 1.4 | 3.2 | -0.1 | 22.9 | 25.5 | 2.6 | 58.6 | 69.0 | 10.4 | | | | | | | | |
| Spitzenwerte | -11.4 | 72.0 | 81.3 | 16.9 | 22.8 | 62.4 | 24 | 56.0 | 70.7 | 11.5 | 50.3 h | 5.2 h | 1.6h | 19.5h | 4.5h | 0.6h | 0.0h | 11.7h |

Solardaten: Statistische Werte pro Tag



Jahrestotal 2012

| Datum | Temp. Sensor-Dach °C | | | | Boiler-unten °C | | | Boiler-oben °C | | | Ladezeit unten pro Tag / Max / Ø | | | Ladezeit oben pro Tag / Max / Ø | | | Kühlen | | Un-genutzt |
|--------------|----------------------|-------------|------|------|-----------------|------|------|----------------|------|------|----------------------------------|------|------|---------------------------------|------|------|--------|-------|------------|
| | Min | Max | Diff | Ø | Min | Max | Diff | Min | Max | Diff | | | | | | | | | |
| Spitzenwerte | -22.8 | <u>93.5</u> | 95.8 | 31.0 | <u>17.4</u> | 79.0 | 32.1 | <u>55.7</u> | 80.0 | 14.8 | <u>147.0h</u> | 6.8h | 2.4h | <u>65.2h</u> | 5.7h | 1.1h | 0.0h | 18.5h | |

Kältester Zeitpunkt am Dachsensor 06.02.2012 07:39:00 : -22.8 °C

Wärmster Zeitpunkt am Dachsensor 02.03.2012 12:57:00 : 93.5 °C

Längste Ladezeit Donnerstag, 1. März 2012 : 6.8 Stunden

Legende:

Die unterstrichenen Werte werden auch im Diagramm angezeigt.

'Ladezeit oben' ist in 'Ladezeit unten' enthalten und ist in Stunden angegeben.

Die Zeit in der gekühlt wird, ist von der Ladezeit abgezogen.

Die 'Ungenutzte Zeit' entsteht wenn die Temperatur am Kollektor höher ist als die im Boiler, die Pumpe aber nicht läuft.

| Monat | MinTemp °C Dachsensor | MaxTemp °C Dachsensor | Durchschnitt °C Dachsensor | Ladung (h) Boiler-unten | Ladung (h) Boiler-oben |
|--------------|-----------------------|-----------------------|----------------------------|-------------------------|------------------------|
| Januar 2012 | -11.4 | 72.0 | 9.6 | 50.3 | 19.5 |
| Februar 2012 | -22.8 | 89.7 | 8.9 | 83.3 | 38.7 |
| März 2012 | -1.1 | 93.5 | 30.9 | 13.3 | 7.0 |

Monatswerte

